

20010418.qrp v02\_n163.qrl.20010418

Date: Wed, 18 Apr 2001 19:03:06 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2163

### QRP-L Digest 2163

Topics covered in this issue include:

- 1) [96560] RE: SSB QRP  
by "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>
- 2) [96561] NoGaWatt meter #2  
by "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>
- 3) [96562] Dan's small parts  
by tf3vst@vortex.is (Villi Idunni)
- 4) [96563] Tone goes up and down  
by "Patrick McVey" <mcveyp.MOHAVE@narbha.com>
- 5) [96564] Horse Trade for a White Mtn 20?  
by Paul Stroud <aa4xx@ipass.net>
- 6) [96565] regen rcvr  
by "Conant, Paul" <paul.conant@lmco.com>
- 7) [96566] Re: 817 vs. K2  
by Walter D Amos <walt\_amos@juno.com>
- 8) [96567] RE: 817 vs. K2  
by "Michael T. Haynie, KC0EXP" <kc0exp@caddistech.com>
- 9) [96568] Perfect paddle  
by "Andy Anderson" <RES0AQDS@VERIZON.NET>
- 10) [96569] Re: Dan's small parts  
by Russ Dow <n7dw@pacbell.net>
- 11) [96570] Re: 817 vs. K2  
by Phil Wheeler <w7ox@earthlink.net>
- 12) [96571] Re: Dan's small parts  
by Phil Wheeler <w7ox@earthlink.net>
- 13) [96572] Re: Tone goes up and down  
by "George, W5YR" <w5yr@att.net>
- 14) [96573] [QST]TT Tranverter mod to 222 MHz  
by adamvaz@palm.net (Adam Vazquez)
- 15) [96574] Fw: Looking for other audible peripherals  
by wb2vuo@juno.com
- 16) [96575] WTB: Kwd MC-50 Mic  
by Richard Arland <rarland@earthlink.net>
- 17) [96576] re: regen rcvr es xmitter  
by neil <wa4chq@qsl.net>
- 18) [96577] Power Measurement  
by Somerville <somerville@uniserve.com>
- 19) [96578] October QRP Power

- by Richard Arland <rarland@earthlink.net>
- 20) [96579] RE: Power Measurement  
by Nick Kennedy <nkennedy@tcainternet.com>
- 21) [96580] Re: Power Measurement  
by "Don Wilhelm" <w3fpr@arrl.net>
- 22) [96581] Re: National Association of Broadcasters Convention  
by Fran Flynn <fflynn@adelphia.net>
- 23) [96582] Re: Power Measurement  
by "Phil (VA3UX)" <phil@vaxxine.com>
- 24) [96583] Re: QQ & Ponies  
by "Dan W. Dooley" <dandooley@pipeline.com>
- 25) [96584] Wanted ZM-2 Tuner  
by tailfeathers@juno.com
- 26) [96585] Re: [TT2] coupla questions for ya  
by Fran Flynn <fflynn@adelphia.net>
- 27) [96586] re: regen rcvr  
by Vance Huntsinger <vhuntsinger@iwic.net>
- 28) [96587] PSK - HELP  
by moglesto@ecentral.com
- 29) [96588] Re: Fw: Looking for other audible peripherals  
by adamvaz@palm.net (Adam Vazquez)
- 30) [96589] Sale or trade  
by Bob Welch <p326@earthlink.net>
- 31) [96590] Can't make it to Dayton?  
by "N7SG K7FD" <k7fd@hotmail.com>
- 32) [96591] PSK using the White Mountain-20?  
by "Donald Philbin" <donaldphilbin@hotmail.com>
- 33) [96592] Re: Dan's small parts  
by Bruce Muscolino <w6toy@erols.com>
- 34) [96593] Michigan QSO Party  
by "Don Chisholm" <don.chisholm@home.com>
- 35) [96594] Re: BNC's, for, RG-174  
by "Ingo DK3RED" <dk3red@t-online.de>
- 36) [96595] Re: Re FT-817 CW Filter Problem  
by "Dave Fifield" <ad6a@earthlink.net>
- 37) [96596] Last weekend's backpacking trip  
by ae5x@netscape.net (John Harper AE5X)
- 38) [96597] Looking: 2N2222 QRP Designs  
by adamvaz@palm.net (Adam Vazquez)
- 39) [96598] Re: Looking: 2N2222 QRP Designs  
by "John J. McDonough" <wb8rcr@arrl.net>
- 40) [96599] Re: Looking: 2N2222 QRP Designs  
by "Karl F. Larsen" <k5di@zianet.com>
- 41) [96600] For Sale  
by Michael Goins <mgoins@usa.net>
- 42) [96601] Re: Power Measurement  
by "Steve Yates, AA5TB" <aa5tb@arrl.net>
- 43) [96602] Harbor Freight Misleading Advertising - BEWARE

by "Brian" <bmmurray@amexol.net>  
44) [96603] Re: BNC's, for, RG-174  
by "Lau, Zack, W1VT" <zlau@arrl.org>  
45) [96604] No Contacts From Colorado River Either  
by N0BN@aol.com  
46) [96605] RE: Harbor Freight Misleading Advertising - BEWARE  
by "John L. Sielke" <w2agn@pobox.com>  
47) [96606] NCARC HAMFEST 14-Jul-2001 \*\*\* NEW FEATURE: The QRP Corner \*\*\*  
by "Rod Cerkoney" <n0rc@hotmail.com>  
48) [96607] Re: Power Measurement  
by Somerville <somerville@uniserve.com>  
49) [96608] vertical qrp  
by ww3o@cs.com  
50) [96609] RE: Harbor Freight Misleading Advertising - BEWARE  
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>  
51) [96610] Re: Harbor Freight Misleading Advertising - BEWARE  
by "Mike Yetsko" <myetsko@insydesw.com>  
52) [96611] RE: Tone goes up and down  
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>  
53) [96612] Re: Tone goes up and down  
by "Mike Yetsko" <myetsko@insydesw.com>  
54) [96613] RE: Harbor Freight Misleading Advertising - BEWARE  
by "Ed Tanton" <n4xy@att.net>  
55) [96614] RE: Dan's small parts  
by "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>  
56) [96615] WFU Station Up and Running  
by Kenneth Hoglund <hoglund@wfu.edu>  
57) [96616] RE: Paddle project  
by "Brockwell, Stephen E. CECOM SEC FSSE ILEX" <brockwse@fssec.army.mil>  
58) [96617] RE: Dan's small parts  
by "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>  
59) [96618] RE: Paddle project  
by Curt Milton <wb8yyy@yahoo.com>  
60) [96619] Re: vertical qrp  
by Curt Milton <wb8yyy@yahoo.com>  
61) [96620] Re: Harbor Freight Misleading Advertising - BEWARE  
by Phil Wheeler <w7ox@earthlink.net>  
62) [96621] Re: WFU Station Up and Running  
by John Wagner <john@neknetwork.com>  
63) [96622] HB: 2N2/40  
by John Wagner <john@neknetwork.com>  
64) [96623] Re: HB: 2N2/40  
by John Wagner <john@neknetwork.com>  
65) [96624] RE:2N2/40  
by "Doug Hendricks" <ki6ds@dph.dpol.net>  
66) [96625] ARCI QSO Party results for K8KFJ  
by Garie Halstead <k8kfj@ntelos.net>  
67) [96626] Return of the Norcal Paddles? Nope, not gonna happen.

by "Doug Hendricks" <ki6ds@dph.dpol.net>  
68) [96627] Milliwatt numbers .....!!!!!!!  
by "George Osier" <gosier@twcny.rr.com>  
69) [96628] Re: vertical qrp  
by Garie Halstead <k8kfj@ntelos.net>  
70) [96629] RE: Paddle Project  
by <igeq100@iupui.edu>  
71) [96630] RE: No Contacts From Colorado River Either  
by "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>  
72) [96631] Paddle Project Options  
by david gauding <david.gauding@bbs.galilei.com>  
73) [96632] Better wording about transmission line losses  
by "Stuart Rohre" <rohre@arlut.utexas.edu>  
74) [96633] Re: Harbor Freight Misleading Advertising - BEWARE  
by "Brian" <bmurrey@amexol.net>  
75) [96634] Re: 2N2/40  
by "Brian" <bmurrey@amexol.net>  
76) [96635] Re: Harbor Freight Misleading Advertising - BEWARE  
by "Mike Yetsko" <myetsko@insydesw.com>  
77) [96636] long wire antennas  
by "Johan Smet" <johan\_smet@pandora.be>  
78) [96637] Re: long wire antennas  
by "ZOOM" <kandrparker@sympatico.ca>  
79) [96638] Re: long wire antennas  
by Bruce Muscolino <w6toy@erols.com>  
80) [96639] [TECH] RX/TX Offset Question (long)  
by Dennis Doran <wb8wtu@yahoo.com>  
81) [96640] N1RWY on the AT in VA  
by "Ron Polityka" <wb3aal@fast.net>  
82) [96641] Re: long wire antennas  
by Paul Dryer <psdryer@ticnet.com>  
83) [96642] long wire antennas  
by "Mike Malone" <mmalone@worldlogon.com>  
84) [96643] Re: [fpqrp] Harbor Freight Misleading Advertising - BEWARE  
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>  
85) [96644] Re: long wire antennas  
by Drbob92031@aol.com  
86) [96645] Re: Dan's small parts  
by tf3vst@vortex.is (Villi Idunni)  
87) [96646] Re: [fpqrp] Harbor Freight Misleading Advertising - BEWARE  
by mulveyr@iname.com  
88) [96647] Re: BNC's, for, RG-174  
by "Arthur G. Silvers" <ags@ieee.org>  
89) [96648] Re: Harbor Freight Misleading Advertising - BEWARE  
by "John Moriarity" <k6qq@hdo.net>

---

Date: Tue, 17 Apr 2001 18:59:35 -0400  
From: "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [96560] RE: SSB QRP  
Message-ID: <078F21595FA7D411B87B00805FA728E64A46BC@atlexc02ntms.hboc.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Mike,

It is MUCH more fun to get into the big DX pileup's and beat out the big guns who are supporting their electric utility with 5 watts or less and rub it in when you get your reply. I have done this many times and really ticks them off !! 8-). Oh it is so nice 8-).

Jerry  
W3CDE

-----Original Message-----

From: Majority Mike Capt 56 TRS/IP [mailto:mike.majority@luke.af.mil]  
Sent: Tuesday, April 17, 2001 6:01 PM  
To: Low Power Amateur Radio Discussion  
Subject: SSB QRP

Folks,

Was monitoring a SSB QSO on 20m this morning and heard one party turn off the amp (AL-811). He still had a nice signal, and only went from S-7 to S-5 on the '706's digital meter. Thought it was worth a try, so threw out my call and he answered. Turned out he was in Oklahoma, about 30 miles south of Oklahoma city.

Asked how my signal was (5w to "infamous attic dipole", stretched east-west), and he said low but perfectly readable. Enjoyed a nice 5-10 min QSO with the folks at 5w. Then he swung his beam around from broadside to full on, and his signal really came up, he said mine did the same. Turned out he was also talking with another Phoenix station, but I couldn't pull that gentleman out of the noise on ground wave.

No it's not a White Mountain rig (hope Dave is getting set up ok in the new digs!), but it was what I had available. Just another example of some interesting QRP capability. Might want to give it a try.

Vic, if you're reading this one, any comments (direct reply ok) on the propagation?

72,  
Mike, N4VBV in Phoenix

-----  
Date: Tue, 17 Apr 2001 16:02:06 -0700  
From: "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>  
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>  
Subject: [96561] NoGaWatt meter #2  
Message-ID: <60F1FEB31CA3D211A1B60008C7A45F4309980265@blaze.bcsc.gov.bc.ca>  
Content-return: allowed  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

The reason I asked is that the instructions say "Note that the SWR scale is only meaningful when the power scale reading is full" I took this to mean that one would have to "set" the "forward" meter in order to get a "meaningful" reading off the "reflected" meter. Thought I'd better ask before doing something dumb :-)

Doug VA7DD

MailTo:Doug.Davies@gems3.gov.bc.ca

-----  
Date: Tue, 17 Apr 2001 23:28:50 -0000  
From: tf3vst@vortex.is (Villi Idunni)  
To: <qrp-1@Lehigh.EDU>  
Subject: [96562] Dan's small parts  
Message-ID: <003701c0c796\$2906b0a0\$6e4efea9@digranes>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello,  
any of you know if Dan is still in business?

He forbids on the website to order if the site date is more than 30 days old, but the latest site I can find has: "Updated 02-24-2001 " and that is on <http://www.fix.net/~jparkers/dans.html>

Is there any other site??

72, de Villi TF3VS

-----  
Date: Tue, 17 Apr 2001 15:33:30 -0700  
From: "Patrick McVey" <mcvey@nabha.com>  
To: <qrp-l@lehigh.edu>  
Subject: [96563] Tone goes up and down  
Message-ID: <sadc704b.001@mail.nabha.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: quoted-printable  
Content-Disposition: inline

Just when I thought I had it figured out...I'm hoping one of you RF =  
wizards or Elmers can 'splain it to me.  
As I change the VFO (turn dial clockwise) on my CW receiver, I can tune in =  
CW signals. The pitch of these signals goes from low to high as I tune =  
from below, pass through the center frequency, and tune above. Therefore, =  
it sounds something like, "wwwwoowwwwWOOOWwwwweeeWWEEEEEEEEZZZ..."=20  
Then, the other night I'm tuning from low to high and I hear a stronger =  
signal, low pitch start to come in range and increase in pitch...AND...I =  
hear an even fainter high pitch come in the background and it starts to go =  
from high to low as I turn the dial clockwise. The faint signal code is =  
completely different, he or it is sending some other string.  
How can this be? I thought my brain had wrapped itself around understanding=  
radio theory but this phenomenon does not match any science that I'm =  
aware of; the operative being, "that I'm aware of."  
I always appreciate any & all scientific knowledge you guys can lend me.  
Patrick, KC7AIR  
P.S. I took & passed Element 3 last weekend & decided to keep my original =  
callsign. Part of that credit should go to the many Elmers on QRP-L who =  
have helped my ham radio experience more meaningful. I got 35 correct not =  
cause I memorized the question pool, its cause everyone of the questions =  
dealt with some facet of the subjects you talk about everyday on this =  
list. Gentlemen, I thank you.

-----  
Date: Tue, 17 Apr 2001 19:39:44 -0400  
From: Paul Stroud <aa4xx@ipass.net>  
To: QRP-L <QRP-L@lehigh.edu>  
Cc: klqrp <Klqrp@knightlites.org>  
Subject: [96564] Horse Trade for a White Mtn 20?  
Message-ID: <3ADCD440.620904E7@ipass.net>

MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Gang,

I've got a nice S&S Engineering "DDS VFO-II" I'd like to trade for a White Mountain 20 SSB rig, or something comparable for 20M SSB operation. Dead or alive rigs would be considered, although "live" would be preferred. This rig would be used on some group QRP coastal kayaking exploits.

The DDS VFO-II is in excellent condition and was built by me about 6 months ago. It provides 1 Hz resolution up to 54 MHz. Your satisfaction guaranteed.

tnx es 72, Paul AA4XX nr Raleigh, NC (919) 779-1637

-----  
Date: Tue, 17 Apr 2001 17:52:51 -0600  
From: "Conant, Paul" <paul.conant@lmco.com>  
To: "Qrp-L (Post To List) (E-mail)" <qrp-l@lehigh.edu>  
Subject: [96565] regen rcvr  
Message-ID: <675067CF647BD4118DEA00508BE32AB47EAAD3@emss02m09.ems.lmco.com>  
Content-return: allowed  
MIME-version: 1.0  
Content-type: text/plain; charset=iso-8859-1  
Content-transfer-encoding: 7BIT

Neil,

I am way too young to have built the rigs you are describing, but have spent hours and hours and hours in the local public library leafing through old copies of Popular Electronics. You could probably revive quite a few memories by visiting your public library. University libraries are even better. Once you start reading articles in decades-old QST's, it is hard to put them down. The WWII years are especially interesting. The Experimenter's Corner explored plenty of interesting and unusual topics. There was even a series of articles on cryptography. Anyway, a trip to the library will yield an almost endless supply of vintage projects. Ham radio sure isn't what it used to be.....thank goodness!

Paul, WQ5X

-----  
Date: Tue, 17 Apr 2001 17:23:51 GMT



From: Walter D Amos <walt\_amos@juno.com>  
To: ed@juge.org  
Cc: qrp-l@lehigh.edu  
Subject: [96566] Re: 817 vs. K2  
Message-ID: <20010417.225515.-191125.9.walt\_amos@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gee Ed:

I thought Doug Hendricks sold his K-2 because the internal battery only lasted 2 hour and he expected a 2 amp battery to last all weekend  
..... :-)

How do YOU get 20 hours out of it ..... :-)

Walt K8CV

On Tue, 17 Apr 2001 16:55:56 -0000 "Ed Juge/NM" <ed@juge.org> writes:  
> Hi, Karl...  
>  
> > Not a can of worms Michael, a bit of plain fact. I looked at a k2  
> and  
> > bought a Kenwood TS-50 and had \$200 in change, plus the high power  
> when  
> > needed, plus general coverage which is important to me as I camp  
> with this  
> > rig.  
>  
> You obviously made the right choice for you. I hate to think how  
> much  
> battery you need to lug around for the TS-50! (I have a TS-50 in  
> my  
> motorhome and love it... also the matching tuner, so I'm not  
> badmouthing  
> it.) BTW... my K2 with internal 20-hour battery probably weighs  
> about what  
> your TS-50 does.  
>  
> > The K2 is a kit and many of my friends had fun putting them  
> together. But  
> > then the fun ends when you buy the ssb kit and need to build that  
> and  
> > install it. Soon you into big money for a small rig.  
>  
> Your statement, "...then the fun ends..." is my real reason for

> writing. I  
> disagree! The SSB kit, internal tuner, NB and 160-meter kit,  
> internal  
> battery kit were all fun to build. Owners' main complaint is there  
> are --as  
> of yet-- no more options to build. Granted, one of the main  
> attractions of  
> the K2 is its kit form. I don't believe money is even a remote  
> issue for  
> most K2 owners, though I'm not sure any commercial rig of equal new  
> price  
> (about \$990 in my case with all the options) can offer all the  
> features  
> and --very important-- equivalent receiver performance. Also, K2  
> owners can  
> align, troubleshoot and/or modify their own radios. No trips back  
> to the  
> factory to are required as is usually the case with commercial,  
> tightly-packed surface-mount circuitry. This rig is a breath of  
> fresh air  
> in a high-tech world.  
>  
> > The K2 sales hype is abundant on this QRP-L list and way overdone  
> in my  
> > opinion. I'm more than tired of hearing about the K2  
>  
> What drew my attention to the K2 is the amazing receiver  
> performance. I get  
> less QRM from a strong signal kHz away than I do on my \$3,000 Icom.  
> Another  
> QRP rig with the kind of receiver performance the K2 offers (see the  
> ARRL  
> lab comparisons with some of the best rigs money can buy) just  
> doesn't  
> exist.  
>  
> That said, I wouldn't want or recommend ANY QRP rig as an "only"  
> transceiver. I agree with you, 100 watts is great when you need  
> it.  
>  
> Sorry to add to the K2 hype you're tired of hearing. ;-)  
>  
> Enjoy your TS-50 and 73... Ed, W5EJ  
>  
>  
>  
>  
>  
>

Walt K8CV in Royal Oak, MI.

-----  
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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Tue, 17 Apr 2001 17:59:40 -0600

From: "Michael T. Haynie, KC0EXP" <kc0exp@caddistech.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [96567] RE: 817 vs. K2

Message-ID: <LPELINGNAPFNJMEMINEIIECMCDAA.kc0exp@caddistech.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="US-ASCII"

Content-Transfer-Encoding: 7bit

I would like to thank all of those that provided constructive comments regarding the 817 vs. the K2. It is always refreshing to hear a real "why" people like a particular radio, rather than 'my radio is bigger than your radio'. QRP has become increasingly interesting to me and I don't have the years of experience that some of you do regarding what radio is best for which situation. However, the valuable resource available here at QRP-L is both enlightening and educational. Thanks to all who responded constructively.

72/3 KC0EXP, Michael

-----  
Date: Tue, 17 Apr 2001 19:08:34 -0500

From: "Andy Anderson" <RES0AQDS@VERIZON.NET>

To: <wb4mnf@atl.org>

Cc: "qrp-l" <qrp-l@Lehigh.EDU>

Subject: [96568] Perfect paddle

Message-ID: <003501c0c79b\$b5b0e020\$205d2a04@vz.dsl.genuity.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

If you'd like to see as perfect a paddle as possible, look no further than the Schurr Profi-2 (see at [www.MorseX.com](http://www.MorseX.com)). If you ever try one, everything else seems second rate. Ditto for the workmanship.

Andy W5VCJ

-----  
Date: Tue, 17 Apr 2001 17:02:19 -0700  
From: Russ Dow <n7dw@pacbell.net>  
To: tf3vst@vortex.is  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [96569] Re: Dan's small parts  
Message-ID: <3ADCD98B.DF3796A3@pacbell.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

Hi Villi,

I just brought Dan's page up, and it indicates last update 04-10-2001. You may be viewing a cached copy from your last visit.

Try clicking the "reload" or "refresh" button on your browser. This will tell your computer to grab a current copy of the page.

Hope this helps.

73,  
Russ N7DW

Villi Idunni wrote:

>  
> Hello,  
> any of you know if Dan is still i business?  
>  
> He forbids on the website to order if the site date is more than 30 days  
> old, but the latest site I can find has: "Updated 02-24-2001 " and that is  
> on <http://www.fix.net/~jparkers/dans.html>  
>  
> Is there any other site??  
>  
> 72, de Villi TF3VS

-----  
Date: Tue, 17 Apr 2001 17:17:39 -0700  
From: Phil Wheeler <w7ox@earthlink.net>  
To: walt\_amos@juno.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [96570] Re: 817 vs. K2  
Message-ID: <3ADCDD23.A0C564E0@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Walter D Amos wrote:

>  
> Gee Ed:  
>  
> I thought Doug Hendricks sold his K-2 because the internal battery only  
> lasted 2 hour and he expected a 2 amp battery to last all weekend  
> ..... :-)  
>  
> How do YOU get 20 hours out of it ..... :-)

Charging it with a pwr supply set higher than 13.8 volts (e.g., 14.1 V  
or so) helps.

Phil W7OX

-----  
Date: Tue, 17 Apr 2001 17:21:12 -0700  
From: Phil Wheeler <w7ox@earthlink.net>  
To: tf3vst@vortex.is  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [96571] Re: Dan's small parts  
Message-ID: <3ADCDDF8.1B26A50@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Villi Idunni wrote:

>  
> Hello,  
> any of you know if Dan is still in business?  
>

> He forbids on the website to order if the site date is more than 30 days  
> old, but the latest site I can find has: "Updated 02-24-2001 " and that is  
> on <http://www.fix.net/~jrparker/dans.html>  
>  
> Is there any other site??  
>

At <http://www.fix.net/dans.html>

I get a date of 4/10/01

Phil W70X

-----  
Date: Tue, 17 Apr 2001 19:21:38 -0500  
From: "George, W5YR" <w5yr@att.net>  
To: mcveyp.MOHAVE@narbha.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [96572] Re: Tone goes up and down  
Message-ID: <3ADCDE12.E874A58E@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Pat, you need to tell us more about your radio and its filters, but it sounds like you are able to copy any CW signal on "both sides of zero beat." This suggests that your filter(s) are not very sharp and/or that the radio is not aligned properly. Most modern designs are capable of near perfect "single signal" operation in which an audio beatnote is produced on only one side of zero beat. Which side varies with the radio, but most Icoms for example, operate such that increasing the dial frequency will increase the audio tone.

>From your description, although I am not at all sure what your WOOWWeeee . . . is intended to sound like, what you were hearing was one station that was in the main passband of your filter and then you started hearing another station on another frequency that was on "the other side of zero beat" and which your filter was also passing. An ideal "single-signal" receiver would not do this, since only one side of zero beat would produce an audible output.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe  
Amateur Radio W5YR, in the 55th year and it just keeps getting better!  
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Patrick McVey wrote:

>

> Just when I thought I had it figured out...I'm hoping one of you RF wizards or Elmers can 'splain it to me.

> As I change the VFO (turn dial clockwise) on my CW receiver, I can tune in CW signals. The pitch of these signals goes from low to high as I tune from below, pass through the center frequency, and tune above. Therefore, it sounds something like, "wwwwoowwwwWWOOWWWwwwweeeWWEEEEEEEEZZZ..."

> Then, the other night I'm tuning from low to high and I hear a stronger signal, low pitch start to come in range and increase in pitch...AND...I hear an even fainter high pitch come in the background and it starts to go from high to low as I turn the dial clockwise. The faint signal code is completely different, he or it is sending some other string.

> How can this be? I thought my brain had wrapped itself around understanding radio theory but this phenomenon does not match any science that I'm aware of; the operative being, "that I'm aware of."

> I always appreciate any & all scientific knowledge yous guys can lend me.

> Patrick, KC7AIR

> P.S. I took & passed Element 3 last weekend & decided to keep my original callsign. Part of that credit should go to the many Elmers on QRP-L who have helped my ham radio experience more meaningful. I got 35 correct not cause I memorized the question pool, its cause everyone of the questions dealt with some facet of the subjects you talk about everyday on this list. Gentlemen, I thank you.

-----  
Date: Tue, 17 Apr 2001 20:57:29 -0400  
From: adamvaz@palm.net (Adam Vazquez)  
To: qrp-l@Lehigh.EDU  
Subject: [96573] [QST]TT Tranverter mod to 222 MHz  
Message-ID: <GBYQNT00.NCP@mo110uhou.palm.net>  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hello de Adam Kb2Jpd

In the latest QST, there is an article modifying the Ten-Tec 10m-2m transvertor to work on 222 MHz.

Needs to clean the flux in those photos, though. (;-})

73

-----

Date: Tue, 17 Apr 2001 20:51:16 -0400  
From: wb2vuo@juno.com  
To: qrp-l@lehigh.edu  
Subject: [96574] Fw: Looking for other audible peripherals  
Message-ID: <20010417.205853.-304587.0.wb2vuo@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Lou's not a QRP-L member, but is a member of the BBAMS Club, which I am the station trustee...

Anyone have any info that could help him out?

72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp  
President, Brockport Amateur Radio Klub & Tech Coordinator, ARRL WNY  
Section  
My night light runs more power than my Rig!!!  
Replies - <mailto:wb2vuo@arrl.net>

----- Forwarded message -----  
From: Louis Kim Kline <k2lkk@eznet.net>  
To: blind-hams@maelstrom.stjohns.edu  
Cc: wb2vuo@juno.com  
Date: Mon, 16 Apr 2001 22:38:37 -0400  
Subject: Looking for other audible peripherals  
Message-ID: <5.0.0.25.2.20010416223330.009f08b0@127.0.0.1>

Hi. My name is Lou.

I am trying to re-establish my amateur HF station, except that now I do not have enough vision to use conventional SWR bridges, or power meters. Even some of my rigs have been put up for sale in favor of ones that are more "blind-friendly."

Does anyone know of an audible SWR / Power meter?

Also, does anyone know if tactile dials were ever available for the Ten Tec Argonaut 509?

I'll be intersted to hear what you all have to say.

73, de Lou K2LKK

Louis (Kim) Kline, A.R.S. K2LKK



e-mail: k2lkk@eznet.net  
Work e-mail: kim\_kline@abvi-goodwill.com  
Work Tel. (716) 232-1085 ext. 311

-----  
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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Tue, 17 Apr 2001 21:04:37 -0400  
From: Richard Arland <rarland@earthlink.net>  
To: QRP List <qrp-l@lehigh.edu>  
Subject: [96575] WTB: Kwd MC-50 Mic  
Message-ID: <3ADCE825.BCE8141E@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Mike, N4VBV, has shamed me into getting onto QRP SSB. Unfortunately, I do not have a mic for my K2 and, while I'd like to get a Heil Goldline, I am a little put off by the price.

Sooooooooo, anybody out there in QRP-Land have an old Kenwood MC-50 or 60 mic from the late 70's to mid 80's that is in working or NON-WORKING condition that they want to part with? I have a Heil HC-4 element and just need a mic case and desk stand to work with. I like the styling of the MC-50/60 mic cases and think it would look very nice repainted with a gray that closely matches the K2.

How 'bout helping a Vet get on SSB. Gimme a private e-mail if you have a Kwd mic you need to off load.

73 Rich K7SZ

(the things I do for this hobby!!)

73 Rich K7SZ

-----  
Date: Tue, 17 Apr 2001 21:06:51 -0400  
From: neil <wa4chq@qsl.net>  
To: qrp-l@Lehigh.EDU  
Subject: [96576] re: regen rcvr es xmitter  
Message-ID: <3ADCE8AB.A56BDF4E@qsl.net>  
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Greetings-

Getting some replies and help to my question. It definitely was in either PE or EI and the rcvr may have been from the 60's or very late 50's and the xmitter "peanut whistle" was I am almost positive, late 60's - early 70's and was featured on the cover. From a few messages I have received from others, it sounds like it may have not been a very good rig....lotsa tvi es not the cleanest sound...

anyway tnx es 72-

Neil wa4chq

-----  
Date: Tue, 17 Apr 2001 18:07:15 -0400  
From: Somerville <somerville@uniserve.com>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [96577] Power Measurement  
Message-ID: <3ADCBE93.172E570@uniserve.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

If I put a capacitor in parallel with my dummy load and measure key down voltage can I not get an accurate power reading using  $V \cdot V/R$ ?

Regards John VE7CFG

-----  
Date: Tue, 17 Apr 2001 21:34:23 -0400  
From: Richard Arland <rarland@earthlink.net>  
To: QRP List <qrp-l@lehigh.edu>  
Subject: [96578] October QRP Power  
Message-ID: <3ADCEF1F.846C551D@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Well, gang....YOU DID IT !!!!

Starting with the August column, every other month we'll have two pages of QRP Power in QST! This is a BIG step for QST. They took a chance on QRP in the Fall of 1999 and decided to add a QRP column to the magazine. Now they've listened to those of you who have written and e-mailed them

requesting an expansion of that column.

THANK YOU ALL !!!

Now, down to brass tacks.....early on I emphasized that QRP Power is YOUR column. Over the past 1.5 years I have taken suggestions from some of you and incorporated these into a column. Let's not slack off now.

I am doing a QRP FD synopsis in October's column. Therefore, I need inputs from some of you about your FD activities for inclusion in the October column. Pictures are welcome. I require a JPEG format: 640 x 480 @ 300 DPI for use in the column. QST can resize them to fit the layout. BE SURE TO CAPTION YOUR PICTURES AND PROPERLY ID ALL PEOPLE IN THE PHOTO WITH NAME AND CORRECT CALLSIGN. (You have no idea how upset some folks can get if their call is not correct....I promise, Craig, I'll never do that again...ever!)

Your inputs should be about 300-400 words max and remember I have to edit them down to fit my word allocation. If your input does not get published, don't despair, there's always another column.

Many thanks for all of your support for QRP Power.

73 Rich K7SZ

-----  
Date: Tue, 17 Apr 2001 20:39:42 -0500  
From: Nick Kennedy <nkennedy@tcainternet.com>  
To: "'somerville@uniserve.com'" <somerville@uniserve.com>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [96579] RE: Power Measurement  
Message-ID: <01C0C77E.8A6BC820.nkennedy@tcainternet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

I'd say with or without the capacitor, that would be an accurate calculation of power, assuming you are reading RMS RF volts.

But what is the capacitor for? If you're trying to charge the capacitor and read the DC level ... that's a common technique, but you need a few more components.

72--Nick, WA5BDU

-----Original Message-----

From: Somerville [SMTP:somerville@uniserve.com]  
Sent: Tuesday, April 17, 2001 5:07 PM  
To: Low Power Amateur Radio Discussion  
Subject: Power Measurement

If I put a capacitor in parallel with my dummy load and measure key down voltage can I not get an accurate power reading using  $V^2/R$ ?

Regards John VE7CFG

-----  
Date: Tue, 17 Apr 2001 21:56:35 -0400  
From: "Don Wilhelm" <w3fpr@arrl.net>  
To: <somerville@uniserve.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [96580] Re: Power Measurement  
Message-ID: <019c01c0c7ab\$0822b040\$9f2b3604@dbw11main>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

John,

No capacitor should be placed across the dummy load.

What you need is an RF voltmeter or an RF probe on a DVM (which makes it an RF voltmeter). You do need to know whether the RF voltmeter reads in Peak volts or RMS volts - many are RMS, but there are some that read peak, so be sure to be safe. Alternately, you can measure the peak RF voltage with a calibrated 'scope that will handle the frequency of measurement correctly - when using a 'scope, you will see the peak to peak waveform voltage, and you need to divide that in half to obtain the zero to peak voltage.

Read the RF voltage across the dummy load with the RF voltmeter and then use the formula  $V^2/R$  - where V is the RMS voltage and R is the resistance of the dummy load. If you are using a peak reading meter, you need to convert the reading to RMS first with the formula  $(V_{peak} \cdot \sqrt{2})/2$ .

73,

Don Wilhelm -Chapel Hill, NC W3FPR home page: <http://www.qsl.net/w3fpr/>  
QRP-L # 485 K2 SN 0020 mailto: w3fpr@arrl.net

----- Original Message -----

From: "Somerville" <somerville@uniserve.com>

> If I put a capacitor in parallel with my dummy load and measure key down  
> voltage can I not get an accurate power reading using  $V^2/R$ ?  
>

-----  
Date: Tue, 17 Apr 2001 22:14:38 -0400  
From: Fran Flynn <fflynn@adelphia.net>  
To: qrp-1@Lehigh.EDU  
Subject: [96581] Re: National Association of Broadcasters Convention  
Message-ID: <3ADCF88E.9882F163@adelphia.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

There is always the ham radio reception. Good door prizes.  
Last year I won a pair of Svetlana 572b's. Sadly, I don't  
get to go this year. It was in the Riviera in one of the ballrooms.

Fran Km1z

-----  
Date: Tue, 17 Apr 2001 22:52:43 -0400  
From: "Phil (VA3UX)" <phil@vaxxine.com>  
To: somerville@uniserve.com, qrp-1@Lehigh.EDU  
Subject: [96582] Re: Power Measurement  
Message-ID: <3.0.5.32.20010417225243.007a5510@vaxxine.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

My lord ! Take the capacitor out and measure the voltage across the load  
with a scope or a good multimeter. Then use  $V^2/R$  and you'll have a decent  
power measurement. If you measure RMS voltage then you'll calculate RMS  
power. Your multimeter must be capable of measuring the voltage at the  
frequency of interest - many multimeters are only good into the upper AF  
range. The scope - depending on its bandwidth - easily capable of  
measuring RF voltage although it's accuracy is probably only 3% at best.  
Still, that's way better than most power meters. The additional reactance  
from the capacitor is exactly what you don't want.

Phil

At 06:07 PM 4/17/2001 -0400, you wrote:

>If I put a capacitor in parallel with my dummy load and measure key down  
>voltage can I not get an accurate power reading using  $V \cdot V/R$ ?

>

>Regards John VE7CFG

>

>

>

-----

Date: Tue, 17 Apr 2001 21:58:54 -0500

From: "Dan W. Dooley" <dandooley@pipeline.com>

To: <Karl.Kanalz@allegiancetelecom.com>, "Low Power Amateur Radio Discussion"  
<qrp-l@Lehigh.EDU>

Subject: [96583] Re: QQ & Ponies

Message-ID: <016601c0c7b3\$836ff5c0\$0300a8c0@bergenbrunswick.com>

MIME-Version: 1.0

Content-Type: text/plain;  
charset="Windows-1252"

Content-Transfer-Encoding: 7bit

Got news for you, Karl. I've seen those things when spooked run like  
gangbusters through a campsite and right through the coals of a campfire.

That bugger was moving, scaley skin and all.

Dan W. Dooley WB5TKA Bedford, Texas EM12ku

e-mail to: dandooley@pipeline.com

Web site: <http://www.qsl.net/wb9tka>

SOC #198, FPQRP # -104

May Goddes love blest ye alle

"Ancient Pistol, I do partly understand your meaning."

----- Original Message -----

From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Tuesday, April 17, 2001 9:33 AM

Subject: RE: QQ & Ponies

> Ponies? Horses? You gotta' be kidding, Mike! Here in the

> Great Southwest, we use armadillos for mail delivery!

>

> They do move a little (but very little!) faster than snails!

>

> Karl K - W8TIF  
> McKinney, Texas  
>

-----  
Date: Tue, 17 Apr 2001 03:04:57 -0400  
From: tailfeathers@juno.com  
To: qrp-1@lehigh.edu, fpqrp-1@mpna.com  
Subject: [96584] Wanted ZM-2 Tuner  
Message-ID: <20010417.030905.-458177.0.tailfeathers@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

A friend of mine is looking for a nicely built ZM-2 tuner with bnc connectors preferably. Maybe even S0239 would work. His name is Ted W4CID. You can contact him at w4cid@arrl.net

-----  
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<http://dl.www.juno.com/get/tagj>.

-----  
Date: Tue, 17 Apr 2001 23:15:53 -0400  
From: Fran Flynn <fflynn@adelphia.net>  
To: qrp-1@Lehigh.EDU  
Subject: [96585] Re: [TT2] coupla questions for ya  
Message-ID: <3ADD06E9.BC828693@adelphia.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

On the njqrp site, on this page:

[http://www.njqrp.org/tuna/tuna\\_text.html](http://www.njqrp.org/tuna/tuna_text.html)

They explain that C2 is there to provide feedback. How exactly a capacitor to ground can provide feedback is something I'm not sure about. Maybe somebody has some insight on that. Sometime I'll try taking out that capacitor and see if it still oscillates.

There is a revision to the TT2 that I noticed, the output coupling

transformer has been changed to a bifilar wound 1:4 transmission line transformer. Maybe this couples the RF out with less loss?

Both old and new schematics are on the njqrp site so you can see the difference in how this transformer is designed.

Regarding transistors, this circuit is not extremely critical to say the least, I think almost any common NPN transistor should work as long as the frequency and beta specs are adequate. Most any Silicon NPN should be close enough. If you want more output you can parallel the 2n2222's or 2219's, or whatever else you got.

The 2n2222 and 2n2219 both cross reference to NTE123, so they must be similar. NTE is a line of replacement parts and semiconductors.

Fran Km1z

>In the xtal osc collector circuit there are a 100 pf  
>cap and a 22uH choke. Not taking stray capacitance  
>into account, they would resonate at around 3.4 MHz,  
>so I am thinking that they were not intended to be a  
>tank circuit. What purpose does c2 serve?

-----  
Date: Tue, 17 Apr 2001 22:22:07 -0500  
From: Vance Huntsinger <vhuntsinger@iwic.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [96586] re: regen rcvr  
Message-ID: <4.2.0.58.20010417215627.00a2f470@mail.iwic.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

I built what I think was that same transmitter in 1968, right after I had received my novice license. I was waiting for parts that I had ordered for a homebrew transmitter featured in QST, but was itching to get on the air. I saw the article about the bare bones xmtr in EI, I believe, and found that I had the necessary parts in my junk box. It seems to me that it was supposed to run about 7 watts input (obligatory QRP reference <g>). Looking back on the project, I now realize that it was an invitation to electrocution, but I forged ahead. I made a contact on it with an extra-class student of mine about 5 miles away, who said it had an awful hum and a pronounced chirp. In fooling around with it, trying to measure some voltages, I somehow shorted something out and one of the resistors blew up with a loud bang and a cloud of acrid smoke. It took a day or two for the smell in my basement to dissipate. That piece of gear was



immediately retired, but it was an interesting introduction to ham radio.  
The QST xmtr that I subsequently built was a great rig and I still have it.

Vance--WA9YDJ

At 07:01 AM 4/17/2001 -0400, neil wrote:

>Another project during that time that I made but never got it to work  
>was a 1 tube 40/80 xmtr. This also was featured in on of the mags---EI  
>or PE....But it was on the cover. This one may have been from the early  
>70's. The rig was built on a piece of pine board and use nails for the  
>soldering posts. The coils were wound on pill vials. It was very  
>simple and ran off of 110ac. I built it but never workd  
>anyone....didn't really know how to trouble shoot.

-----  
Date: Wed, 18 Apr 2001 21:47:37 -0700 (MST)  
From: mugglesto@ecentral.com  
To: qrp-l <qrp-l@lehigh.edu>  
Subject: [96587] PSK - HELP  
Message-ID: <Pine.LNX.4.10.10104182131320.732-100000@mugleston.mugs.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I want to thank everyone on my problem with my PSK - the one where my  
signal to my rig didn't work.

The common solution was to pull the wires and check them for a short. - OK  
I did that but first I checked from tip to ground, no short. Tip to  
ring, No short. Ring to ground, no short.

I pulled the wires anyway and same thing plus a good signal from tip to  
wire end for tip and from ground to wire end for ground.

Put everything back together and same problem. I plug into the SPK out  
and the waterfall stops being displayed (it continues to drop). Unplug it  
and it works again.

SO, I get more wire out and test. First I plug my speakers in and only  
one speaker has sound - check it out and it's the speaker going from TIP  
to Ground - just like the interface is wired. The way I checked this is I  
took a spare sterio plug and wired it up and touched the other ends to the  
speaker plug.

Sitting there with these wires coming out of my computer I thought I'd try  
my plug going to the interface - both wires (tip and ground) attached and

the display does it's thing. Now with just the tip connected the display is fine. So I try the tip to the ring - no problem and tip to ground (don't tell my not to do this, it's done) but again no problem.

OK now ground wire to ground - display stopps. Ground to tip OK. I also had the speaker plugged in ("Y" cable) sound stopps when I touch the ground wire to the ground part of the plug.

Someone mentioned a possible ground loop - not sure what that is but could that be it?

If you really like to mess with things the schematic can be seen at

<http://www.buckcommco.com>

I have the ISO-AL6A adaptor for the Alinco DX-70 rig.

Thanks for any help you can give.

de KI00T, Brad

Brad Mugleston, KI00T  
Aurora, Arapahoe Cty, Colorado  
DM79oq 39.692500N 104.802600W  
CQC #170, QRP-L #316, NorCal #2934

-----  
Date: Wed, 18 Apr 2001 00:22:32 -0400  
From: adamvaz@palm.net (Adam Vazquez)  
To: wb2vuo@juno.com, qrp-1@Lehigh.EDU, k2lkk@eznet.net  
Subject: [96588] Re: Fw: Looking for other audible peripherals  
Message-ID: <GBZ05K00.MHJ@mo110uhou.palm.net>  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hello de Adam Kb2Jpd

About 4 or 5 years ago, I met my fellow ham and good friend Dan KB2MLH, who is blind and runs his own business, as a CPR Instructor, SafetyonSite in New York City.

He had asked me for an audible SWR/Power meter using the MFJ 2M-220 MHz Tuner Combo.

I made a VCO circuit out of a 555 with a mini speaker or piezo.. I connected the voltage inputs to the meter.  
The power switch was a mercury switch mounted so the circuit would only turn on when the front panel was face-up.

When on, he would tune it without difficulty.

73 de Kb2Jpd

wb2vuo@juno.com wrote on 4/17/01 8:51 pm:

>Lou's not a QRP-L member,  
>but is a member of the  
>BBAMS Club, which I am  
>the station trustee...  
>  
>Anyone have any info that  
>could help him out?  
>  
>72/73, Keith, WB2VUO,  
>100% QRP from the Depths  
>of the Great Bergen Swamp  
>President, Brockport  
>Amateur Radio Klub & Tech  
>Coordinator, ARRL WNY  
>Section  
>My night light runs more  
>power than my Rig!!!  
>Replies -  
>mailto:wb2vuo@arrl.net  
>  
>----- Forwarded  
>message -----  
>From: Louis Kim Kline  
><k2lkk@eznet.net>  
>To:  
>blind-hams@maelstrom.stjo  
>hns.edu  
>Cc: wb2vuo@juno.com  
>Date: Mon, 16 Apr 2001  
>22:38:37 -0400  
>Subject: Looking for other  
>audible peripherals  
>Message-ID:  
><5.0.0.25.2.20010416223330.  
>009f08b0@127.0.0.1>  
>  
>Hi. My name is Lou.

>  
>I am trying to re-establish  
>my amateur HF station,  
>except that now I do  
>not  
>have enough vision to use  
>conventional SWR bridges,  
>or power meters.  
>Even  
>some of my rigs have been  
>put up for sale in favor of  
>ones that are more  
>"blind-friendly."  
>  
>Does anyone know of an  
>audible SWR / Power meter?  
>  
>Also, does anyone know if  
>tactile dials were ever  
>available for the Ten  
>Tec  
>Argonaut 509?  
>  
>I'll be intersted to hear what  
>you all have to say.  
>  
>73, de Lou K2LKK  
>  
>Louis (Kim) Kline, A.R.S.  
>K2LKK  
>e-mail: k2lkk@eznet.net  
>Work e-mail:  
>kim\_kline@abvi-goodwill.com  
>Work Tel. (716) 232-1085  
>ext. 311  
>-----  
>-----  
>-----  
>GET INTERNET ACCESS FROM  
>JUNO!  
>Juno offers FREE or PREMIUM  
>Internet access for less!  
>Join Juno today! For your  
>FREE software, visit:  
>[http://dl.www.juno.com/get](http://dl.www.juno.com/get/tagj)  
>/tagj.

-----

Date: Tue, 17 Apr 2001 21:46:44 -0700  
From: Bob Welch <p326@earthlink.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [96589] Sale or trade  
Message-ID: <3ADD1C34.E077AA15@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I purchased this unit a few months ago and now have the qrp bug. I plan to get the k1 and need to sell this rig as it will be surplus. It works great and it has several extras.

This NorCal 20 has the ten turn pot: upgraded tick keyer, plus a added 1/4 jacks for audio and key (in parallel with the 1/8 jacks); on/off switch; an accessory power jack (parallel with original); so-239 in parallel with the BNC output. The ham that built this (KQ5U) paid \$100 for

the kit, \$35 for the al case, \$10 for ten turn pot and \$15 for the Tick5 keyer = \$160. I paid \$110 and will sell it for \$100 shipped CONUS. Or trade for a recent WM2-QRP completed wattmeter. It is a hot little radio. Please reply direct.

Thanks,  
Bob

-----  
Date: Tue, 17 Apr 2001 22:08:59 -0700  
From: "N7SG K7FD" <k7fd@hotmail.com>  
To: qrp-1@Lehigh.EDU  
Subject: [96590] Can't make it to Dayton?  
Message-ID: <F20730kkZIhTrBoe2U8000005db@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

If you can't make it to Dayton, the next best thing is Seaside, Oregon! Hope to see some of you at this year's SeaPac Convention...

<http://www.seapac.org>

73 John K7FD

PS. Pre-Dayton Rumor: Ten Tec will announce a new hybrid rig combining the best of a Paragon and a Pegasus rig...it'll be called the Asparagus! Comes in stalk or custom versions...green of course!

-----  
Get your FREE download of MSN Explorer at <http://explorer.msn.com>

-----  
Date: Tue, 17 Apr 2001 23:07:04 -0700  
From: "Donald Philbin" <donauldphilbin@hotmail.com>  
To: qrp-1@lehigh.edu  
Subject: [96591] PSK using the White Moutain-20?  
Message-ID: <F257fJiY9ZNMjiGwYt700004d35@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Has anyone used the White Moutain 20 (Dave Benson's design) on psk?  
What if any mods were done to the rig and what software did you use?

I have an older 150 Mhz Pentium with 64Meg ram but lots of hard disk space.

Any advice accepted.

D.K. Philbin KD6TK  
In sunnny San Luis Obispo, Ca!

-----  
Get your FREE download of MSN Explorer at <http://explorer.msn.com>

-----  
Date: Wed, 18 Apr 2001 02:02:18 -0400  
From: Bruce Muscolino <w6toy@erols.com>  
To: tf3vst@vortex.is  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [96592] Re: Dan's small parts  
Message-ID: <3ADD2DEA.9FD60996@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Villi,

Since Dan does not accept internet orders I think that the warning your are seeing is just to say this list may be out of date! As far as I know he only accepts mail orders and does not take credit cards!

-----  
Date: Wed, 18 Apr 2001 06:20:29 +0100  
From: "Don Chisholm" <don.chisholm@home.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [96593] Michigan QSO Party  
Message-ID: <009a01c0c7c7\$48e28d00\$6401a8c0@roalok1.mi.home.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

This Saturday, from NOON to MIDNIGHT (EDT), runs the Michigan QSO Party.

This contest has QRP as well as other entry classes. There are many mobile/rover stations coordinated to be roaming around the state, working from all 83 counties.

I will be roaming 20 counties (!) in the Upper and Lower Peninsulas with W8UE.

The Multi/Multi contest QTH of K8CC (made famous in the QRP world with the valiant WQ8RP operation in ARRL DX CW this year) will be QRP for this event (as you may have suspected) and probably on all bands - callsign TBD.

There are also several multi-operator stations to work this weekend - and plenty of overall Michigan activity.

Hope to work everybody on the list from every county, band, and mode (hihi).

For more information, please visit the Mad River Radio Club MQP website:

<http://www.qsl.net/mrrc/mqp.html>

72/73/74  
Don  
WX3M  
QRP-1 # 1272

-----  
Date: Wed, 18 Apr 2001 09:12:07 +0200  
From: "Ingo DK3RED" <dk3red@t-online.de>  
To: "QRP-L" <qrp-1@lehigh.edu>  
Subject: [96594] Re: BNC's, for, RG-174

Message-ID: <002801c0c7d6\$e3d834e0\$62ae01d9@ingo>

Hello Bill, W1PA, hello listener,

please see on the German homepage from Stecker-Profi .  
<http://home.t-online.de/home/goelschl/montage.htm>  
There are also many other plugs.

72 de Ingo, DK3RED

E-Mail: dk3red@t-online.de - Homepage: <http://www.t-online.de/~dk3red>

-----  
Date: Wed, 18 Apr 2001 00:31:36 -0700  
From: "Dave Fifield" <ad6a@earthlink.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [96595] Re: Re FT-817 CW Filter Problem  
Message-ID: <008601c0c7d9\$9ac66da0\$0600a8c0@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Check out:

[http://www.cooltechstuff.com/FT817\\_CWfilterinstall.html](http://www.cooltechstuff.com/FT817_CWfilterinstall.html)

BTW - there are several internal piccies of the '817 on this  
webpage that have been there for some time now...

Cheers es 72,  
Dave Fifield, AD6A

-----  
Date: Wed, 18 Apr 2001 04:55:46 -0400  
From: ae5x@netscape.net (John Harper AE5X)  
To: qrp-l@lehigh.edu  
Subject: [96596] Last weekend's backpacking trip  
Message-ID: <412C3583.5471E4B1.00003ABB@netscape.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="ISO-8859-1"

My Easter weekend backpacking trip was a total bust from a radio point of



view. The band (20m) was completely dead, as most of you know. I spent a lot of time wondering if the radio was broken but made 3 contacts that seemed to indicate that the rig was OK and that poor propagation was to blame. It's had to tell when you've only got one monoband rig. I won't be updating my web site with this trip as there is really nothing interesting to say. I guess that's just the way it goes sometimes...

Other than that, the trip was fun. Not too many other hikers on the trail at this time of year. No bears, no deer, but several wild turkey were seen.

72,

--

John Harper AE5X

Outdoor QRP: <http://www.qsl.net/ae5x>

-----  
Get your own FREE, personal Netscape Webmail account today at <http://webmail.netscape.com/>

-----

Date: Wed, 18 Apr 2001 05:27:34 -0400  
From: adamvaz@palm.net (Adam Vazquez)  
To: qrp-1@Lehigh.EDU  
Subject: [96597] Looking: 2N2222 QRP Designs  
Message-ID: <GBZE9Y00.AHN@mo110uhou.palm.net>  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hello de Adam Kb2Jpd

Anybody have any QRP radio designs that use exclusively 2N2222 transistors. Interested in RX/Tx and transceivers.

Thanks In Advance,  
Adam Kb2Jpd

-----

Date: Wed, 18 Apr 2001 07:06:32 -0400  
From: "John J. McDonough" <wb8rcr@arrl.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Cc: <adamvaz@palm.net>  
Subject: [96598] Re: Looking: 2N2222 QRP Designs  
Message-ID: <002d01c0c7f7\$a271f240\$010044c0@baycty1.mi.home.com>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Adam

\*THE\* design in this area is Jim Kortge's 2N2/40, details for which can be found at <http://www.qsl.net/k8iqy>.

Reprints of a QRPp article on the rig are available from Norcal. The article is OUTSTANDING. I built my 2N2/40 solely from the web site, but it would have been a lot easier from the article.

72/73 de WB8RCR      <http://members.home.com/wb8rcr/index.htm>  
didileydadidah      QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "Adam Vazquez" <adamvaz@palm.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Sent: Wednesday, April 18, 2001 5:27 AM  
Subject: Looking: 2N2222 QRP Designs

> Hello de Adam Kb2Jpd  
>  
> Anybody have any QRP radio designs that use exclusively 2N2222  
> transistors. Interested in RX/Tx and tranceivers.  
>  
> Thanks In Advance,  
> Adam Kb2Jpd

-----  
Date: Wed, 18 Apr 2001 05:21:05 -0600 (MDT)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: Adam Vazquez <adamvaz@palm.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [96599] Re: Looking: 2N2222 QRP Designs  
Message-ID: <Pine.LNX.4.31.0104180518120.811-100000@cannac.ampr.org>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

There are 2 2n2222's in the SMK-1 and Tuna-Can rigs. As you would expect the 2N2222 is a good high gain power transistor. You can get around 250 MW out of one. Nothing I have seen uses exclusively 2N2222 because there are better ways to do other things.

On Wed, 18 Apr 2001, Adam Vazquez wrote:

> Hello de Adam Kb2Jpd  
>  
> Anybody have any QRP radio designs that use exclusively 2N2222  
> transistors. Interested in RX/Tx and trancivers.  
>  
> Thanks In Advance,  
> Adam Kb2Jpd  
>  
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

-----  
Date: 18 Apr 2001 06:42:54 EST  
From: Michael Goins <mgoins@usa.net>  
To: qrp-l@lehigh.edu  
Subject: [96600] For Sale  
Message-ID: <20010418114254.10182.qmail@aw162.netaddress.usa.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: quoted-printable

Need to clear some space in the station:

Heil Pro 5 Single-sided Headset, single ear, with HC-4 element. Kenwood o=  
r  
Yaesu adapter cable. =

\$85.00 shipped

Bencher XZ-2 audio CW filter, requires 2-16vdc (not included). Switch  
positions are out, SSB, 150, 115, 90, out and it is variable within those=  
positions. Excellent condition with original instructions.  
\$45.00 shipped

Radio Shack SWR meter. 3-30 MHz, handles up to 1 KW. =

Model 21-533, like new. =

\$15.00 shipped

SP-150 speakers (2) =96 This is the speaker that was used with the DX-160=  
=2E I

have two. Work very well as station speakers (I am keeping two others). =

\$25.00 each shipped

Motorola mobile-type speaker, new type, black, excellent appearance and a=udio.

Square shape. =

\$15.00 shipped

Uniden mobile-type speaker, black, excellent. Square shape, will also wor=k

fine in the station. Excellent appearance and audio.

\$15.00 shipped

MFJ World Band Short-wave Radio, Model MFJ-8100, 5 bands (3.5-4.3 MHz,  
5.85-7.40 MHz, 9.5 to 12.00 MHz, 13.2 to 16.4 MHz, 17.5 to 22 MHz). Like =new.

Will include a Realistic amplified speaker and a set of Nova folding  
headphones. Original manual. Pretty darn good little short-wave radio.

Looks new. =

\$45.00 shipped CONUS

=

Heil EQ-300 Microphone Equalizer. Adjustable treble and bass, as well as =mike

gain. =

\$50.00 CONUS

Autek WM-1 Computing wattmeter, 20,200,2000 watts. Used at 1 watt. Dual  
meters. Accidentally hooked up power reversed and doesn't work. Likely a  
protection diode. No time to fix right now. =

\$75.00 shipped

-----  
Get free email and a permanent address at <http://www.amexmail.com/?A=3D1>

-----  
Date: Wed, 18 Apr 2001 07:02:27 -0500  
From: "Steve Yates, AA5TB" <aa5tb@arrl.net>

To: QRP-L Distribute <qrp-l@Lehigh.EDU>  
Subject: [96601] Re: Power Measurement  
Message-ID: <002701c0c7ff\$7138a720\$02713ed8@pavilion>  
MIME-version: 1.0  
Content-type: text/plain; charset="iso-8859-1"  
Content-transfer-encoding: 7bit

Hi John,

Here is what I use:

<http://www.geocities.com/aa5tb/qrpmeter.html>

It is a combination dummy load / watt meter and has worked very well for me.  
The schematic and circuit description should give you an idea of how to do  
what you are wanting to do.

73,  
Steve Yates - AA5TB  
Fort Worth, Texas  
Grid Square: EM12gs  
aa5tb@arrl.net  
<http://www.geocities.com/aa5tb/>

-----  
Date: Wed, 18 Apr 2001 08:10:41 -0400  
From: "Brian" <bmurrey@amexol.net>  
To: "QRP-L" <qrp-l@lehigh.edu>, "pigs" <fpqrp-l@mpna.com>  
Subject: [96602] Harbor Freight Misleading Advertising - BEWARE  
Message-ID: <001c01c0c800\$97b06950\$3d05080a@cincom.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I just got anouthe Harbor Freight ad in my email, I have requested they quit  
sending this junk mail several times but to no avail.

Anyway, in the ad they are advertising a solar panel called "12v Vehicle  
Battery Saver" and the advertising states this is a 125 mA 15v model....for  
\$8.99

I bought two of these off the same ad last month for \$8.99 each, plus \$4.95  
handling, plus \$2.95 shipping, and waited about 4 weeks for them to be  
delivered.

The product I got is CLEARLY labeled 90ma 12v. It's looking like bait and switch to me. I called HF and was told that the devices I bought are the same ones in the ad. I asked about the ratings difference and the customer service person couldn't explain it. So they're really rated at about 35% less than what the ad states. So buyer beware.

I haven't tried hooking them up yet to see how they actually do. That's going to be another story for another day.

72

```
=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
TEN TEC SCOUT @ 5W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57
=====
```

```
-----

Date: Wed, 18 Apr 2001 08:10:28 -0400
From: "Lau, Zack, W1VT" <zlau@arrl.org>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [96603] Re: BNC's, for, RG-174
Message-ID: <125490A005E3D3118C9C00805FC743CC016B9DE6@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
    charset="iso-8859-1"
```

Yes.

I was pleasantly surprised to find installation details on connector packages--way to go Amphenol!

Mouser sells the CTL-2 crimp tool for \$47.

I found top quality Sealelectro tool at a hamfest :-).

--Zack W1VT

```
-----
```

Date: Wed, 18 Apr 2001 08:32:24 EDT  
From: NOBN@aol.com  
To: qrp-1@lehigh.edu  
Subject: [96604] No Contacts From Colorado River Either  
Message-ID: <91.97b4ba6.280ee358@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Gang,

Since John ae5x fessed up, I guess I should either. While camped along the Colorado River south of Moab, Utah, I tried both 20 and 40 M Friday evening, during the day Saturday, Saturday night, and Sunday AM, and made no contacts whatsoever.

I heard lots of QRP activity but no luck. I would note I made quite a few contacts with 5 watts mobile with my FT-7B and Hustler between Denver and Utah and back on both 20 and 40. Condx were not great but didn't seem that bad.

I just received condolences from John and passed mine back to him so thought I should go public too!

Better luck for both of us next time.

Daniel n0bn

-----  
Date: Wed, 18 Apr 2001 08:41:18 -0400 (EDT)  
From: "John L. Sielke" <w2agn@pobox.com>  
To: Brian <bmurrey@amexol.net>  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [96605] RE: Harbor Freight Misleading Advertising - BEWARE  
Message-ID: <XFMail.010418084118.w2agn@pobox.com>  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
MIME-Version: 1.0

I have the same problem with Harbor Freight. Some time ago, I ordered several items, ranging in price from \$1.59 to \$35.98. After waiting for a month, I received a package....with the \$1.59 item, for which I was charged \$7.95 shipping plus handling, which I don't remember. Brought the total to over \$12.00. I immediately called them, and was told my other items were backordered, but when they came, I would not be charged further shipping. Seemed fair.

Six months go by, no items. Call HF again. "Sorry, out of stock." How about my shipping charges?" Sorry, no refund of shipping.

I WILL NEVER deal with them again!

John W2AGN

On 18-Apr-01 Brian wrote:

> I just got anouthe Harbor Freight ad in my email, I have requested they quit  
> sending this junk mail several times but to no avail.  
>

-----  
Date: Wed, 18 Apr 2001 06:56:37 -0600  
From: "Rod Cerkoney" <n0rc@hotmail.com>  
To: "ncarc-l" <ncarc@qth.net>, <elecraft@qth.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, "Flying Pigs" <fpqrp-l@mpna.com>  
Cc: "Michael Taylor" <mtaylor@hach.com>, <w0mc@arrl.net>  
Subject: [96606] NCARC HAMFEST 14-Jul-2001 \*\*\* NEW FEATURE: The QRP Corner \*\*\*  
Message-ID: <OE51MfJXefpq33Tmpwp00005ed0@hotmail.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Folks,

At this years Northern Colorado ARC Hamfest I am sponsoring 5-6 tables to be known as: "The QRP Corner".

It's a "fest in a fest" for QRPers and Radio Electronics "Do it Yourselfers". The goal is simple a place to exchange and share information. Vendor representation, rig demos, construction/testing demos will all be a part of the this years "QRP Corner".

So far I have:

VENDOR REPRESENTATION

Elecraft

Sorry we won't have Wayne or Eric, but we will have brochures and K2s and K1s available for inspection.

"RIG TEST TABLE"



Mike Taylor, N7RKC has agreed to setup a Spectrum analyzer and Power meter, "the lab quality stuff"! He do a spectral plot and power out reading for you. Here is an excellent opportunity to make sure your homebrew gizmo is up to FCC standards.

#### ASSEMBLY DEMONSTRATIONS

What to learn how to solder well, maybe mount surface mount parts or the basics of Manhattan Construction? Stop by the "QRP Corner" and ask for a demo! I (and maybe others) will be setup to show these techniques.

#### WHAT TO DO NOW/FAQ

QRP Vendors: Would you like to be represented in the "QRP Corner"? We can host you virtually, or give you space for an in person presence. Contact me for details.

QRPers and Radio Electronics Buffs: Want to help out or demonstrate something? Contact me for arrangements.

Everybody: July is a wonderful time to visit Colorado. So if you're planning your summer activities consider stopping by the Northern Colorado ARC Hamfest: SAT 14-Jul-2001, and stop by the "QRP Corner". If other family members are not interested in Amateur Radio there is plenty for them:

- o Rocky Mountain Park is near by
- o Local Museums in Fort Collins and Loveland
- o SHOPPING!!! Bring those water cooled credit cards!

The fest is held in the Larimer County Fair Grounds, in Loveland Colorado. Contact me for directions.

Hope to see you there!

73, Rod N0RC  
Ft Collins CO

-----  
Date: Wed, 18 Apr 2001 06:09:50 -0400  
From: Somerville <somerville@uniserve.com>  
To: "Phil (VA3UX)" <phil@vaxxine.com>  
Cc: qrp-1@lehigh.edu  
Subject: [96607] Re: Power Measurement  
Message-ID: <3ADD67ED.65B4A9ED@uniserve.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Appropriate comment. My suggestion as written would have been a horrible blunder. A diode is needed between the dummy load and the capacitor otherwise an AC short would exist.

"Phil (VA3UX)" wrote:

> My lord ! ...  
>  
>

-----  
Date: Wed, 18 Apr 2001 09:22:20 -0400  
From: ww3o@cs.com  
To: qrp-1@lehigh.edu  
Subject: [96608] vertical qrp  
Message-ID: <0F86507C.709716B6.00004728@cs.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

RS-13 passed over the eastern US last evening with two really high angle tracks. Using a 5 element steerable 2M antenna and a 10M dipole I was able to work though the satellite. The TX rig was an old Icom 202 SSB/CW rig on Code with an output of about 2 watts. The RX was a shortwave receiver. The downlink signal hardly moved the s-meter needle. However, my downlink signals were about as strong as the rest of the stations in the bandpass. It was a fun evening of listening to my signals, working with the Doppler shift and comparing signal strengths with the "big guns" on the pass. Next mission is to learn how to tune the Doppler with one hand while QSOing with the other.

72,  
Pete Carr WW30  
State College, PA

-----

Date: Wed, 18 Apr 2001 09:25:52 -0400 (EDT)  
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>  
To: "John L. Sielke" <w2agn@pobox.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [96609] RE: Harbor Freight Misleading Advertising - BEWARE  
Message-ID: <Pine.BSF.4.10.10104180916160.614-1000000@quartz.gly.fsu.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have refrained from commenting on the Harbor Freight posts in the past. My last business with them was about 5 years ago when I bought a bulk package of wall anchors out of their flyer. The price was reasonable. The anchors were unusable. Really crap. I too was charged full price for shipping and handling. Left a bad taste. Never again.

There are a couple of travelling outfits that come through town once or twice a year selling Harbor Freight type stuff. They set up for a few days at the Fair Grounds or the Elks Lodge and then move on. I think that one of the vendors is Chuck Homeier(?) (maybe out of Nebraska) and Cummins Tools([www.cumminstools.com](http://www.cumminstools.com)) is another one of the outfits. At least with these outfits, you know upfront what you are buying and you get to see the merchandise before you lay your money down.

Cummins Tools was at the convention center last weekend. I didn't make it but I still have their flyer on the desk. No sign of solar battery chargers.

Henry

-----  
Date: Wed, 18 Apr 2001 09:37:27 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <bmurrey@amexol.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [96610] Re: Harbor Freight Misleading Advertising - BEWARE  
Message-ID: <016e01c0c80c\$ba9280a0\$4206d10a@endpoints.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> Anyway, in the ad they are advertising a solar panel called "12v Vehicle  
> Battery Saver" and the advertising states this is a 125 mA 15v  
model....for  
> \$8.99

>  
> The product I got is CLEARLY labeled 90ma 12v. It's looking like bait and  
> switch to me. I called HF and was told that the devices I bought are the  
> same ones in the ad.  
>  
> KB9BVN/QRP - New Whiteland IN - EM69WN

Well, both 'ratings' may be true. Your 90ma 12v may be a 'true'  
rating. I.e. 90ma AT 12v (under a specific load condition)

And the 15v 125ma may be 15v open circuit and 125ma  
shorted load kind of rating...

I'd try the panel in bright sunlight and see what it does, open circuit,  
and shorted, and then into a load to try to duplicate the panels  
ratings.

If you can't make the panel hit the ratings under the 3 conditions,  
consider filing a complaint...

Otherwise... Well... You already were upset with them, but you  
bought more.

Mike

-----  
Date: Wed, 18 Apr 2001 08:36:55 -0500  
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>  
To: "'mcveyp.MOHAVE@narbha.com'" <mcveyp.MOHAVE@narbha.com>, Low Power Amateur  
Radio Discussion <qrp-l@lehigh.edu>  
Subject: [96611] RE: Tone goes up and down  
Message-ID:  
<E78D8A9D6762D411B5440008C791D4AA04A49A06@dfwex03.allegiancetelecom.com>  
MIME-Version: 1.0  
Content-Type: text/plain

What kind of receiver are you using, Patrick?

Karl K - W8TIF

> -----Original Message-----  
> From: Patrick McVey [SMTP:mcveyp.MOHAVE@narbha.com]  
> Sent: Tuesday, April 17, 2001 5:34 PM  
> To: Low Power Amateur Radio Discussion  
> Subject: Tone goes up and down

>  
> Just when I thought I had it figured out...I'm hoping one of you RF  
> wizards or Elmers can 'splain it to me.  
> As I change the VFO (turn dial clockwise) on my CW receiver, I can tune in  
> CW signals. The pitch of these signals goes from low to high as I tune  
> from below, pass through the center frequency, and tune above. Therefore,  
> it sounds something like, "wwwwoowwwwWWOOWWWwwwweeeWWEEEEEEEEZZZ..."  
> Then, the other night I'm tuning from low to high and I hear a stronger  
> signal, low pitch start to come in range and increase in pitch...AND...I  
> hear an even fainter high pitch come in the background and it starts to go  
> from high to low as I turn the dial clockwise. The faint signal code is  
> completely different, he or it is sending some other string.  
> How can this be? I thought my brain had wrapped itself around  
> understanding radio theory but this phenomenon does not match any science  
> that I'm aware of; the operative being, "that I'm aware of."  
> I always appreciate any & all scientific knowledge you guys can lend me.  
> Patrick, KC7AIR  
> P.S. I took & passed Element 3 last weekend & decided to keep my original  
> callsign. Part of that credit should go to the many Elmers on QRP-L who  
> have helped my ham radio experience more meaningful. I got 35 correct not  
> cause I memorized the question pool, its cause everyone of the questions  
> dealt with some facet of the subjects you talk about everyday on this  
> list. Gentlemen, I thank you.  
>

-----  
Date: Wed, 18 Apr 2001 10:03:02 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <Karl.Kanalz@allegiancetelecom.com>, "Low Power Amateur Radio Discussion"  
<qrp-l@Lehigh.EDU>, <mcveyp.MOHAVE@narbha.com>  
Subject: [96612] Re: Tone goes up and down  
Message-ID: <01da01c0c810\$4bb41960\$4206d10a@endpoints.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hmm, Would the fact that the signal he was hearing going the  
OTHER direction indicate it was an 'image' of a strong signal  
that was coming through the mixer from the other side?

Mike

> What kind of receiver are you using, Patrick?  
>  
> Karl K - W8TIF

>  
> > -----Original Message-----  
> > From: Patrick McVey [SMTP:mcveyp.MOHAVE@narbha.com]  
> >  
> > Just when I thought I had it figured out...I'm hoping one of you RF  
> > wizards or Elmers can 'splain it to me.  
> > As I change the VFO (turn dial clockwise) on my CW receiver, I can tune  
in  
> > CW signals. The pitch of these signals goes from low to high as I tune  
> > from below, pass through the center frequency, and tune above.  
Therefore,  
> > it sounds something like, "wwwwoowwwwWWOOOWWWwwwweeWWEEEEEEEEZZZ..."  
> > Then, the other night I'm tuning from low to high and I hear a stronger  
> > signal, low pitch start to come in range and increase in pitch...AND...I  
> > hear an even fainter high pitch come in the background and it starts to  
go  
> > from high to low as I turn the dial clockwise. The faint signal code is  
> > completely different, he or it is sending some other string.  
> > How can this be? I thought my brain had wrapped itself around  
> > understanding radio theory but this phenomenon does not match any  
science  
> > that I'm aware of; the operative being, "that I'm aware of."  
> > I always appreciate any & all scientific knowledge you guys can lend  
me.  
> > Patrick, KC7AIR  
> > P.S. I took & passed Element 3 last weekend & decided to keep my  
original  
> > callsign. Part of that credit should go to the many Elmers on QRP-L who  
> > have helped my ham radio experience more meaningful. I got 35 correct  
not  
> > cause I memorized the question pool, its cause everyone of the questions  
> > dealt with some facet of the subjects you talk about everyday on this  
> > list. Gentlemen, I thank you.  
> >  
>

-----  
Date: Wed, 18 Apr 2001 10:13:27 -0400  
From: "Ed Tanton" <n4xy@att.net>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [96613] RE: Harbor Freight Misleading Advertising - BEWARE  
Message-ID: <CKEGICNFDIMCEKEDCEHFCEIPGNAA.n4xy@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="us-ascii"  
Content-Transfer-Encoding: 7bit

They may have done the same thing to me-we'll see. I ordered the punch AND-because of the "free" shipping" for this order, a \$45 vise. Got the punch OK, with ~ \$5 "handling" charge. No vise. Backordered. Since the shipping on the vise is likely to be significant, compared to the punch, I emailed them yesterday (before this thread) and asked where the vise was. I also mentioned-as a reminder-that the shipping on the vise was to be free as well. We'll see what comes of that. I used a credit card (AMEX) for this transaction, and will certainly pursue this to the ends of the earth if they screw with me. I just HATE that sort of thing. Will keep everyone apprised.

I thought there were some consumer protection laws about B/O stuff? Were they repealed? I know the Bush administration has been rolling back some stuff that Clinton passed at the last minute, but it seems to me that ALL the mailorder companies have backed down for at least a year on what they did for a while when there was a B/O.

73 Ed Tanton N4XY <n4xy@arrl.net>

website: <http://www.n4xy.com>

LM: ARRL QCWA AMSAT & INDEXA;  
SEDXC NCDXA GACW QRP-ARCI  
OK-QRP QRP-L #758 K2 (FT) #00057

R-390: Motorola SN: 374

R-390-A: Capehart SN: 2241

51S-1 WE SN: 4389

-----  
Date: Wed, 18 Apr 2001 09:07:00 -0500  
From: "Kanalz, Karl" <Karl.Kanalz@allegiancetelecom.com>  
To: "'tf3vst@vortex.is'" <tf3vst@vortex.is>, Low Power Amateur Radio Discussion  
<qrp-l@lehigh.edu>  
Subject: [96614] RE: Dan's small parts  
Message-ID:  
<E78D8A9D6762D411B5440008C791D4AA04A49A0B@dfwex03.allegiancetelecom.com>  
MIME-Version: 1.0  
Content-Type: text/plain

If you'll check that URL again, Villi, you'll find that the date  
IN THE UPPER RIGHT HAND CORNER is: 4-1-2001

Also, check the "opening announcement" on Dan's page that is printed in big, red letters.

Karl K - W8TIF  
McKinney, Texas

> -----Original Message-----  
> From: tf3vst@vortex.is [SMTP:tf3vst@vortex.is]  
> Sent: Tuesday, April 17, 2001 6:29 PM  
> To: Low Power Amateur Radio Discussion  
> Subject: Dan's small parts  
>  
> Hello,  
> any of you know if Dan is still in business?  
>  
> He forbids on the website to order if the site date is more than 30 days  
> old, but the latest site I can find has: "Updated 02-24-2001 " and that is  
> on <http://www.fix.net/~jparker/dans.html>  
>  
> Is there any other site??  
>  
> 72, de Villi TF3VS  
>

-----  
Date: Wed, 18 Apr 2001 10:21:50 -0400  
From: Kenneth Hoglund <hoglund@wfu.edu>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [96615] WFU Station Up and Running  
Message-ID: <3ADDA2FE.519ACF7B@wfu.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Gang--

The official observance of World Amateur Radio Day is off and running here at Wake Forest University.

Our intrepid ops are braving gusting winds and very un-Carolina like temps to work the world. Right now one rig, oped by Fred NA4P himself, is calling cq on 14.030 into a dipole smartly hung on the campus quad with plastic coathangers. Cynthia KA3ZNQ is trying to get out on SSB into a vertical, also on 20m. If you're near a rig, give us a shout.

Thanks for the BW.



73

Ken KG4FGC

-----  
Date: Wed, 18 Apr 2001 09:59:50 -0500  
From: "Brockwell, Stephen E. CECOM SEC FSSE ILEX" <brockwse@fssec.army.mil>  
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>  
Subject: [96616] RE: Paddle project  
Message-ID: <F05408425630D4118DEE0000F840B5D485CA52@alrsv02.fssec.army.mil>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Being a slow cw fist ( .... very .... very ..... slow) myself, there are a lot more people with perhaps better ideas for this paddle project but I'd like to see a version like the Norcal paddle but with the option to use a magnetic base, a velcro base, a heavy metal base or mounted in a box that folds out to form a wraparound leg mount (adjustable for angle of use). Maybe another big batch of the Norcal paddles just like the originals?

just my 2 cents (... you get what you pay for ....)  
Steve KC5TTY

-----  
Date: Wed, 18 Apr 2001 11:20:10 -0400  
From: "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [96617] RE: Dan's small parts  
Message-ID: <078F21595FA7D411B87B00805FA728E64A46C2@atlexc02ntms.h boc.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Last night the date was the "old" date. He must have changed it late last evening.... I checked this AM and it shown the new date. Hummmm.

Jerry  
W3CDE

-----Original Message-----

From: Kanalz, Karl [mailto:Karl.Kanalz@allegiancetelecom.com]  
Sent: Wednesday, April 18, 2001 10:07 AM  
To: Low Power Amateur Radio Discussion  
Subject: RE: Dan's small parts

If you'll check that URL again, Villi, you'll find that the date  
IN THE UPPER RIGHT HAND CORNER is: 4-1-2001

Also, check the "opening announcement" on Dan's page that is  
printed in big, red letters.

Karl K - W8TIF  
McKinney, Texas

```
> -----Original Message-----
> From: tf3vst@vortex.is [SMTP:tf3vst@vortex.is]
> Sent: Tuesday, April 17, 2001 6:29 PM
> To: Low Power Amateur Radio Discussion
> Subject: Dan's small parts
>
> Hello,
> any of you know if Dan is still i business?
>
> He forbids on the website to order if the site date is more than 30 days
> old, but the latest site I can find has: "Updated 02-24-2001 " and that is
> on http://www.fix.net/~jparkers/dans.html
>
> Is there any other site??
>
> 72, de Villi TF3VS
>
```

```
-----
Date: Wed, 18 Apr 2001 08:38:55 -0700 (PDT)
From: Curt Milton <wb8yyy@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [96618] RE: Paddle project
Message-ID: <20010418153855.1840.qmail@web9606.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
```

Just some quick thoughts -

The previous NORCAL project was oriented to "master  
craftsman" types who i am sure really enjoyed the  
experience.

The P-TICK is nifty but after 15 minutes i no longer  
enjoy using it! i consider this a small emergency  
unit, and i plan to add a jack for an external paddle  
to mine.

Something in between would be nice! i am sure if someone developed the paddle, many would create ways to use it on the knee, in the shack, etc.

curt wb8yyy

--- "Brockwell, Stephen E. CECOM SEC FSSE ILEX"  
<brockwse@fssec.army.mil> wrote:  
> Being a slow cw fist ( .... very .... very .....  
> slow) myself, there are a  
> lot more people with perhaps better ideas for this  
> paddle project but I'd  
> like to see a version like the Norcal paddle but  
> with the option to use a  
> magnetic base, a velcro base, a heavy metal base or  
> mounted in a box that  
> folds out to form a wraparound leg mount (adjustable  
> for angle of use).  
> Maybe another big batch of the Norcal paddles just  
> like the originals?  
>  
> just my 2 cents (... you get what you pay for ....)  
> Steve KC5TTY

-----  
Do You Yahoo!?

Yahoo! Auctions - buy the things you want at great prices  
<http://auctions.yahoo.com/>

-----  
Date: Wed, 18 Apr 2001 08:47:20 -0700 (PDT)  
From: Curt Milton <wb8yyy@yahoo.com>  
To: ww3o@cs.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [96619] Re: vertical qrp  
Message-ID: <20010418154720.3980.qmail@web9606.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Pete, thanks for the great post! i have enjoyed mode K (15m up/10m down) but i have a little trouble my first feeble attempt to run mode A !

i have been told that to enjoy RS-13 a 10m preamp is useful. maybe you have prompted me to action to build one. while state-of-art NF might be nice - i suspect

anything decent would be good but put a little filtering in it to reject nearby stuff - including your own 2m uplink signal.

keep posting your progress,

curt wb8yyy

--- ww3o@cs.com wrote:

> RS-13 passed over the eastern US last evening with  
> two really high angle tracks. Using a 5 element  
> steerable 2M antenna and a 10M dipole I was able to  
> work though the satellite. The TX rig was an old  
> Icom 202 SSB/CW rig on Code with an output of about  
> 2 watts. The RX was a shortwave receiver. The  
> downlink signal hardly moved the s-meter needle.  
> However, my downlink signals were about as strong as  
> the rest of the stations in the bandpass. It was a  
> fun evening of listening to my signals, working with  
> the Doppler shift and comparing signal strengths  
> with the "big guns" on the pass. Next mission is to  
> learn how to tune the Doppler with one hand while  
> QSOing with the other.  
>  
> 72,  
> Pete Carr WW30  
> State College, PA

-----  
Do You Yahoo!?

Yahoo! Auctions - buy the things you want at great prices  
<http://auctions.yahoo.com/>

-----  
Date: Wed, 18 Apr 2001 09:14:13 -0700  
From: Phil Wheeler <w7ox@earthlink.net>  
To: henryf@quartz.gly.fsu.edu  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [96620] Re: Harbor Freight Misleading Advertising - BEWARE  
Message-ID: <3ADD55.73ADAA8F@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Henry Freedenberg wrote:

>

> I have refrained from commenting on the Harbor Freight posts in the past.  
> My last business with them was about 5 years ago when I bought a bulk  
> package of wall anchors out of their flyer. The price was reasonable.  
> The anchors were unusable. Really crap. I too was charged full price for  
> shipping and handling. Left a bad taste. Never again.

>

I've had pretty good luck with HF. But I do have the luxury of shopping at one of their stores, vs. mail order. They have items I would not buy, after seeing them .. but other items which are a good deal.

Phil W7OX

-----

Date: Wed, 18 Apr 2001 12:28:09 -0400  
From: John Wagner <john@neknetwork.com>  
To: hoglund@wfu.edu  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [96621] Re: WFU Station Up and Running  
Message-ID: <3ADDC099.E7B0CF84@neknetwork.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Worked Fred, NA4P from here in Holland, VT.

Called at first with 5w, but I was too weak - got a SRI in return. Fred was weak here as well, barely a 229 - 439, so I didn't think I'd get him with 5w but tried anyway. Switched over to my IC-746 QRO rig and made the QSO. Had decent copy on this end, I believe Fred asked me to send a SASE for the special event QSL.

Just before that, I heard K5GP working NA4P. K5GP who had a LARGE signal here - I'm certain I could have easily worked him with 1w... sure enough, looked him up on QRZ - go figure, Texas - I'm telling you guys they got a big 'ol RF reflector down there and it's aimed north!

73,

John, KB1ENS

Kenneth Hoglund wrote:

>

> Gang--

>

> The official observance of World Amateur Radio Day is off and running  
> here at Wake Forest University.  
>  
> Our intrepid ops are braving gusting winds and very un-Carolina like  
> temps to work the world. Right now one rig, oped by Fred NA4P himself,  
> is calling cq on 14.030 into a dipole smartly hung on the campus quad  
> with plastic coathangers. Cynthia KA3ZNQ is trying to get out on SSB  
> into a vertical, also on 20m. If you're near a rig, give us a shout.  
>  
> Thanks for the BW.  
>  
> 73  
> Ken KG4FGC

--

John Wagner - [john@neknetwork.com](mailto:john@neknetwork.com)  
Web page: <http://www.neknetwork.com>

-----  
Date: Wed, 18 Apr 2001 12:39:04 -0400  
From: John Wagner <[john@neknetwork.com](mailto:john@neknetwork.com)>  
To: Low Power Amateur Radio Discussion <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>  
Subject: [96622] HB: 2N2/40  
Message-ID: <3ADDC328.8851ECA1@neknetwork.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

The SW30+ project that Chuck Adams, K7QO is leading will be my most ambitious manhattan/ugly style project to date. To warm up, I built a PixieII with a Tick keyer - works great, looks even better!

I sauntered over to the site on QSL.net by Jim Kortge, K8IQY (<http://www.qsl.net/k8qiy>) and had a long gander at the 2N2/40 project he has designed and laid out. His site and layout is very complete, with actual suggested pad and part layouts. This project looks a bit more involved than the upcoming SW30+, so I think I'm going to hold off until after the SW30+ is finished and on the air... did I mention that Jim's site is excellent? It is, check it out. The pictures of his work are incredible - his stuff looks like art to me.

I'm wondering if there is interest among the group/grasshoppers for doing a group build of the 2N2/40? It looks like a great rig! I'd like to think we could start on it next fall/winter and hopefully finish before the end of the 2001/2001 winter fox season (and nab some foxii with the new radios!).

73,

John, KB1ENS

--

John Wagner - john@neknetwork.com

Web page: <http://www.neknetwork.com>

-----

Date: Wed, 18 Apr 2001 12:44:44 -0400

From: John Wagner <john@neknetwork.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [96623] Re: HB: 2N2/40

Message-ID: <3ADDC47C.1B68B9BA@neknetwork.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Fumble fingers strikes agn. Correct URL is: <http://www.qsl.net/k8iqy/>

John Wagner wrote:

>

> The SW30+ project that Chuck Adams, K7QO is leading will be my most  
> ambitious manhattan/ugly style project to date. To warm up, I built a  
> PixieII with a Tick keyer - works great, looks even better!

>

> I sauntered over to the site on QSL.net by Jim Kortge, K8IQY  
> (<http://www.qsl.net/k8iqy>) and had a long gander at the 2N2/40 project  
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> involved then the upcoming SW30+, so I think I'm going to hold off until  
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> site is excellent? It is, check it out. The pictures of his work are  
> incredible - his stuff looks like art to me.

>

> I'm wondering if there is interest among the group/grasshoppers for  
> doing a group build of the 2N2/40? It looks like a great rig! I'd like  
> to think we could start on it next fall/winter and hopefully finish  
> before the end of the 2001/2001 winter fox season (and nab some foxii  
> with the new radios!).

>

> 73,

>

> John, KB1ENS

>

> --

> John Wagner - john@neknetwork.com

> Web page: <http://www.neknetwork.com>

--

John Wagner - [john@neknetwork.com](mailto:john@neknetwork.com)

Web page: <http://www.neknetwork.com>

-----  
Date: Sat, 5 May 2001 08:54:07 -0700  
From: "Doug Hendricks" <[ki6ds@dph.dpol.net](mailto:ki6ds@dph.dpol.net)>  
To: <[qrp-1@lehigh.edu](mailto:qrp-1@lehigh.edu)>  
Subject: [96624] RE:2N2/40  
Message-ID: <01c0d57b\$9e853e80\$330b0d0a@doug.dph.dpol.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Guys if you are interested in building the 2N2/40 from the QRPp article, (actually a whole issue devoted to one subject), you can order a copy of the issue from Paul Harden, NA5N, at Quicksilver Printing, PO Box 757, Socorro, NM 87801 for \$12 postpaid. Please enclose a self addressed mailing label and indicate that you are ordering the 2N2/40 Special Issue of QRPp.

Hope this helps. 72, Doug

-----  
Date: Wed, 18 Apr 2001 16:54:34 +0000  
From: Garie Halstead <[k8kfj@ntelos.net](mailto:k8kfj@ntelos.net)>  
To: Low Power Amateur Radio Discussion <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>  
Subject: [96625] ARCI QSO Party results for K8KFJ  
Message-ID: <3ADD807A.3A4DD748@ntelos.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

\*\*\* 2001 QRP ARCI Spring QSO Party \*\*\*

Call used: K8KFJ

Location: WV

Category: Single Op All Band

Mode: CW

Power: 5W

Callsign of Operator: K8KFJ

If multi-operator, show calls of all operators and loggers:



Exchanged Information: K8KFJ RST WV 10728

Hours of Operation: 03:58

| band  | QSOs | points | mults |               |
|-------|------|--------|-------|---------------|
| 160   | 0    | 0      | 0     |               |
| 80    | 0    | 0      | 0     |               |
| 40    | 30   | 1008   | 20    |               |
| 20    | 11   | 322    | 8     |               |
| 15    | 4    | 140    | 3     |               |
| 10    | 0    | 0      | 0     |               |
| ----- |      |        |       |               |
| TOTAL | 45   | 1470   | 31    | SCORE: 45,570 |

Club or Team Name: None

Comments: 3+ hours of mainly S&P under very poor band conditions. I hope to put in a much longer effort in the next one as Easter weekend is always a busy one. 40m seemed to be the place to be (which accounted for the majority of my Qs). No Qs were made on 80 or 10m. HP1AC was the only DX heard and worked. I was happy to give out a few WV mults and my thanks to those who worked me.

Equip: Icom 706MKII  
14AVQ vertical  
Logging with NA version 10.51

I have observed all competition rules as well as all regulations for amateur radio in my country. My report is correct and true to the best of my knowledge. I agree to be bound by the decisions of the QRP ARCI Contest Committee.

Date\_\_\_\_\_ Signature\_\_\_\_\_ Call\_\_\_\_\_

Name: Garie Halstead  
810 Seventh Avenue  
Saint Albans, WV 25177

Call: K8KFJ  
Email: k8kfj@ntelos.net

+++++

QRP ARCI CONTEST DUPESHEET

Page 1 of 1

Callsign: K8KFJ

Band: 40

Total QSOs: 30

=====

AB8DF  
AF4LQ  
K0FRP  
K1ZZ  
K2JT  
K3NGN  
K3WW  
K4BAI  
K4JM  
K4MF  
K9PX  
KC3MX  
KK4BE  
KN1H  
N0UR  
N1EU  
N1SNB  
N3A0  
N4BP  
NK9G  
NM5M  
VE3ELA  
W1PID  
W2JEK  
W3DP  
W3TS  
WA4DOU  
WA7LNW  
WB3AAL  
WJ9B

QRP ARCI CONTEST DUPESHEET

Page 1 of 1

Callsign: K8KFJ

Band: 20

Total QSOs: 11

=====  
HP1AC  
K0EVZ  
K0FRP  
K0FX  
KD5JWC/M  
N0UR  
N4BP  
NM5M  
VE1TAY  
W4FMS  
WB0WQS

QRP ARCI CONTEST DUPESHEET

Page 1 of 1

Callsign: K8KFJ  
Band: 15  
Total QSOs: 4

=====  
K7RE  
KB7WW  
N7RVD  
NQ7X

-----  
Date: Sat, 5 May 2001 09:06:38 -0700  
From: "Doug Hendricks" <ki6ds@dph.dpol.net>  
To: <qrp-1@lehigh.edu>  
Subject: [96626] Return of the Norcal Paddles? Nope, not gonna happen.  
Message-ID: <01c0d57d\$5dc9abe0\$330b0d0a@doug.dph.dpol.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Guys, I saw some mention on here of the NorCal paddles, and how some wish that they were available again. Well, they are and they aren't. Wayne Smith, K8FF, designed the paddles, and gave NorCal the rights to produce as many as we wanted to. We did 1600 of them, Jim Cates got tired of carrying them to the post office and getting the dirty looks from the post office guy, so we turned the rights back to Wayne. He in turn, sold the rights to Vibroplex, who made the paddles as a finished product, and made several improvements, including knurled adjustment nuts, silver contacts, etc. They

also changed the name to the "Code Warrior", and they sell for \$99.95, when you can get them, as they sell out fast. The Vibroplex model is an excellent paddle, and compares very well with anything else in its price range.

The paddle is no longer available as a kit. Vibroplex decided to go with a finished product, and I think it was the right move for them. When we first decided to do the kits, Jim and I discussed it and said that the goal was to have a set of paddles that had a good feel to them, solid in construction, and something that would not be easily damaged if taken camping or on a portable Qrp to the Field type of operation. We envisioned guys getting them, putting them together as they came, and not worrying about how they looked. You could actually do that and have a very good set of paddles quickly. The problem was that they looked rough in the raw form. Well, did we get a surprise. We could not believe the lengths that people went to to finish them. Guys did them on airplanes, chrome plated them, gold plated them, powder coated them, baked them in the oven, painted them camouflage, just about every configuration possible. The kits were not something that required a master craftsman to build and use. There were master craftsmen that did build them, but many average guys with average ability have the paddles and use them every day, which is what we intended.

Now, what is available in a good paddle? I saw Dennis Foster's TeNeKe again at Ft. Smith, and guys, this thing is a bargain. He has table top models, miniature models, models that mount on your leg, models that mount on a K2 or a K1, just about any configuration that you can think of. He is working on getting a web page, and when he does, I will let you know. Dennis is planning on going to HamCom, so you will be able to pick up keys there. By the way, his most expensive paddle is about \$40 I think. Hope this helps. 72, Doug

-----  
Date: Wed, 18 Apr 2001 11:34:26 -0400  
From: "George Osier" <gosier@twcnny.rr.com>  
To: <qrp-l@lehigh.edu>  
Subject: [96627] Milliwatt numbers .....!!!!!!!  
Message-ID: <000001c0c829\$f06c0800\$25191842@twcnny.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hello All !!!

Just going thru the cards in and the cards that are out still .....  
Just got VY1JA / QRP yesterday !!

82 worked

37 cfmd ( mail not in yet today )

getting closer !!!!

73s

George , N2JNZ / QRPP

-----  
Date: Wed, 18 Apr 2001 17:11:00 +0000  
From: Garie Halstead <k8kfj@ntelos.net>  
To: ww3o@cs.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [96628] Re: vertical qrp  
Message-ID: <3ADD8454.998A5141@ntelos.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

On Wednesday, 18 April 2001, WW30 wrote:

> Next  
> mission is to learn how to tune the Doppler with one hand while QSOing with  
> the other.

I know that feels awkward at first Pete but it does get easier with practice. Just remember that the rule-of-thumb is that you always adjust the higher frequency. In Mode "A", it will be your 2m uplink. Just occasionally tune a little higher in frequency on 2m in order to maintain the same frequency on 29 MHz <and hope the individual you're in QSO with does the same>.

Of course, it goes without saying that this gets considerably more difficult if you can't copy yourself on the downlink. Enjoy the bird.

Hope this helps.

72 //Gary \*K8KFJ\*  
AMSAT #32574

-----

Date: Wed, 18 Apr 2001 12:25:03 -0500 (EST)  
From: <igeq100@iupui.edu>  
To: QRP List <qrp-l@lehigh.edu>  
Subject: [96629] RE: Paddle Project  
Message-ID: <Pine.GS0.3.96.1010418120952.17079B-100000@jade.iupui.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi, Gang -

I have been lurking a while, reading the posts on this topic. For the past two years or so, I have been working on a project to develop a good solid paddle for home and portable use. You can see some of my early efforts at <http://www.w1tp.com/mrm.htm> This space was kindly provided by Tom Perera; I currently do not have a web site of my own. You may also have seen my paddles at the building contest at FDIM last year.

At any rate, I have settled on a design that meets a lot of the criteria that I set up and have been discussed on the list. Folks who have used the current design seem pleased. I am not ready (lack of time, etc.) to go public in a big way, but I would be happy to correspond individually with members of the list who have an interest. I don't have a factory, etc.; this is just a hobby interest that is maturing to the point where I think that others may be able to benefit from my efforts. I am also currently working on a design that is home-workshop doable (with a bit of skill and care), and I may have some plans available later this year.

Thanks for the BW.

Richard Meiss, WB9LPU

-----  
Date: Wed, 18 Apr 2001 13:44:04 -0400  
From: "Lofstead, Jerry" <Jerry.Lofstead@itb.mckhboc.com>  
To: "'N0BN@aol.com'" <N0BN@aol.com>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [96630] RE: No Contacts From Colorado River Either  
Message-ID: <078F21595FA7D411B87B00805FA728E64A46C7@atlexc02ntms.h boc.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Daniel,

Do not feel tooo bad... I had the same problem in the same area last

summer! It's sort of a radio hole with a big blocking diode. i.e. signals in and no signals out

Jerry  
W3CDE

-----Original Message-----

From: NOBN@aol.com [mailto:NOBN@aol.com]  
Sent: Wednesday, April 18, 2001 8:32 AM  
To: Low Power Amateur Radio Discussion  
Subject: No Contacts From Colorado River Either

Gang,

Since John ae5x fessed up, I guess I should either. While camped along the Colorado River south of Moab, Utah, I tried both 20 and 40 M Friday evening, during the day Saturday, Saturday night, and Sunday AM, and made no contacts whatsoever.

I heard lots of QRP activity but no luck. I would note I made quite a few contacts with 5 watts mobile with my FT-7B and Hustler between Denver and Utah and back on both 20 and 40. Condx were not great but didn't seem that bad.

I just received condolences from John and passed mine back to him so thought

I should go public too!

Better luck for both of us next time.

Daniel n0bn

-----  
Date: Wed, 18 Apr 2001 13:00:55 -0500  
From: david gauding <david.gauding@bbs.galilei.com>  
To: qrp-l@lehigh.edu  
Subject: [96631] Paddle Project Options  
Message-ID: <5.0.2.1.0.20010418114759.027a9490@bbs.galilei.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"; format=flowed

Howdy,

The Winter 2000 issue of NorCal's QRPP has the St. Louis Paddle article

along with NA5N's exceptional step-by-step drawings.

My old friend W0NVN and I had a blast doing this hambrew project together. These days I leave my expensive and fragile hardware at home and use an SLP for portable and trailside operating.

This single-lever paddle is built into a 1/4" stereo plug. The paddle can be inserted into a mating jack installed in a radio or added to a cable assembly and used two-handed. Or, one-handed if your really good! <g>

I prefer the cable assembly option. In the field, it can be hard to find a suitable flat operating surface for a traditional paddle along with convenient seating, especially trailside.

Since the original article was released we developed a leg-mount accessory based on the TE-NE-KEY design from Dennis Forster, KK5PY. It is a band of aluminum held in place with a velcro strap. The removable paddle itself is held in operating position with a small U-shaped spring-steel clamp elevated slightly on a stand-off. The leg-mount is very good for mobile or longer-term operating in portable locations.

I also use the paddle at home manually or installed on the leg mount. Actually, a lot more than I had expected to at the outset. It sends pretty decent CW well into the 30 WPM range.

We could probably adapt the spring clamp leg-mount assembly to the K2 or K1. But, since neither of us own one of these radios (yet) development is lagging behind somewhat! <g>

The little SLP has pretty decent feel and is adjustable for travel and touch, simplicity of the design notwithstanding. The paddle and accessories are very low-cost easily constructed with readily available materials. Finally, it is compact and weighs next to nothing. That's always a plus when your tramping up yet one more hill at the end of the day.

Anyway, suggesting the SLP as an option for those interested homebrewing a set of portable paddles.

Regards,

de Dave, NF0R      nf0r@slacc.com



-----  
Date: Wed, 18 Apr 2001 14:33:29 -0500  
From: "Stuart Rohre" <rohre@arlut.utexas.edu>  
To: "Jeff" <fantbb@yahoo.com>  
Cc: <qrp-1@Lehigh.EDU>  
Subject: [96632] Better wording about transmission line losses  
Message-ID: <005c01c0c83e\$7281f160\$4e100a0a@rohredt2000>

Right Jeff!

As L. B. Cebik says in his new MFJ published book, (the revised Antenna pieces nos. 1-20 from Colorado QRP Club "Lowdown" magazine), you have to read and understand the context and way the author is using words about antennas. :-) By the way, although I have read the original pieces in "Lowdown", L. B. has added material, and in just the first 3 chapters I found refreshing and new information about dipoles, ladder line feeds, etc. For \$20, it is a good book. It is available from QRP-ARCI on a special deal I think, but I found it yesterday at Austin Amateur Radio Supply, picked it up to take a look, and it followed me home!

The 50 MHz losses for other than air dielectrics transmission lines are higher than the losses at HF bands, of 80 and 40, etc. Is what I was trying to say. This is shown in all the coax catalogs, and although hard to find, will be the case for parallel transmission lines. The losses relate to the dielectric used, and plastics are higher loss than air.

Another thought about parallel lines:

The ceramic insulators formerly used for making your own ladder line were glossy, so as to shed water, (glazed). Recently at ham fests, I saw someone selling old knob and tube UNGLAZED insulators as parallel line spacers. If you operate in a humid area, I would coat those to shed water. Paraffin was used in old times for wood insulators. A smooth coating to fill pores in the ceramic is what you would need. A UV resistant coating would work. However, products such as Thompson's water seal are wax based and would need to be renewed each year. I would guess those in El Paso, and other desert areas could use either glazed or unglazed ceramic. It was pretty dry air when I lived there!

72, Stuart K5KVH

-----  
Date: Wed, 18 Apr 2001 16:15:06 -0400  
From: "Brian" <bmmurray@amexol.net>

To: "Mike Yetsko" <myetsko@insydesw.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [96633] Re: Harbor Freight Misleading Advertising - BEWARE  
Message-ID: <003001c0c844\$43eb0160\$3d05080a@cincom.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> Well, both 'ratings' may be true. Your 90ma 12v may be a 'true'  
> rating. I.e. 90ma AT 12v (under a specific load condition)

Oh come on Mike. If the ad said 90mA 12v I wouldn't have bought them.  
Harbor Freight needs a lesson in honest advertising.

> And the 15v 125ma may be 15v open circuit and 125ma  
> shorted load kind of rating...

And maybe not. They lie in the ads, so I may not even waste my time checking them.

> I'd try the panel in bright sunlight and see what it does, open circuit,  
> and shorted, and then into a load to try to duplicate the panels  
> ratings.

Probably will this weekend. I hope I can use them.

> If you can't make the panel hit the ratings under the 3 conditions,  
> consider filing a complaint...  
>  
> Otherwise... Well... You already were upset with them, but you  
> bought more.

Mike....I haven't bought more. I won't be buying more. I placed one order.  
For a punch and these panels. I've lived, and I've learned. <grin>

-----  
Date: Wed, 18 Apr 2001 16:18:54 -0400  
From: "Brian" <bmmurray@amexol.net>  
To: <john@neknetwork.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [96634] Re: 2N2/40  
Message-ID: <005c01c0c844\$cb03d050\$3d05080a@cincom.com>  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

John,

I'll sign up immediately for the 2N2/40 group build if one develops.

Count me in!

----- Original Message -----

From: "John Wagner" <john@neknetwork.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Wednesday, April 18, 2001 12:39 PM  
Subject: HB: 2N2/40

> The SW30+ project that Chuck Adams, K7QO is leading will be my most  
> ambitious manhattan/ugly style project to date. To warm up, I built a  
> PixieII with a Tick keyer - works great, looks even better!  
>  
> I sauntered over to the site on QSL.net by Jim Kortge, K8IQY  
> (<http://www.qsl.net/k8qiy>) and had a long gander at the 2N2/40 project  
> he has designed and laid out. His site and layout is very complete, with  
> actual suggested pad and part layouts. This project looks a bit more  
> involved then the upcoming SW30+, so I think I'm going to hold off until  
> after the SW30+ is finished and on the air... did I mention that Jim's  
> site is excellent? It is, check it out. The pictures of his work are  
> incredible - his stuff looks like art to me.  
>  
> I'm wondering if there is interest among the group/grasshoppers for  
> doing a group build of the 2N2/40? It looks like a great rig! I'd like  
> to think we could start on it next fall/winter and hopefully finish  
> before the end of the 2001/2001 winter fox season (and nab some foxii  
> with the new radios!).  
>  
> 73,  
>  
> John, KB1ENS  
>  
> --  
> John Wagner - john@neknetwork.com  
> Web page: <http://www.neknetwork.com>  
>

-----

Date: Wed, 18 Apr 2001 16:22:09 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <bmurrey@amexol.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [96635] Re: Harbor Freight Misleading Advertising - BEWARE  
Message-ID: <00eb01c0c845\$479c5420\$4206d10a@endpoints.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> > Well, both 'ratings' may be true. Your 90ma 12v may be a 'true'  
> > rating. I.e. 90ma AT 12v (under a specific load condition)  
>  
> Oh come on Mike. If the ad said 90mA 12v I wouldn't have bought them.  
> Harbor Freight needs a lesson in honest advertising.  
>  
> > And the 15v 125ma may be 15v open circuit and 125ma  
> > shorted load kind of rating...  
>  
> And maybe not. They lie in the ads, so I may not even waste my time  
checking  
> them.  
>

Hi Brian,

First off, I didn't say it was nice, or truthful, or honest, or ethical,  
or anything else. I was just trying to point out how they may  
'justify' the statements in their ad.

But the bottom line is you got burnt. And others may get burnt  
as well, unless they KNOW what they're up against.

Mike

-----  
Date: Wed, 18 Apr 2001 22:29:54 +0200  
From: "Johan Smet" <johan\_smet@pandora.be>  
To: <qrp-l@Lehigh.EDU>  
Subject: [96636] long wire antennas  
Message-ID: <CHEEIHGOGIFBMENPJDNLMEMOCAA.johan\_smet@pandora.be>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

This might be slightly out of topic. If so, sri for the bandwidth taken.

My question relates to the effectiveness of long single wire antennas for HF fieldday operation. It happens I recently left a rally with an automatic ATU, so tuning about any length of wire is a piece of cake. I understand a long wire shows directivity (main lobes) as well as all-around radiation (minor lobes). There should also be some gain compared to a dipole, depending on the wire length (3dB with 4 wavelengths?). Further, for optimum wave angle the antenna should have a height of at least a half wavelength at 14 MHz (35 feet).

Are there fieldday teams out there using long wire antennas on HF? I would be very thankful to receive their comments/advice!

Tnx, 73,

John ON5EX  
on5ex@pandora.be

-----  
Date: Wed, 18 Apr 2001 16:39:49 -0400  
From: "ZOOM" <kandrparker@sympatico.ca>  
To: <johan\_smet@pandora.be>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [96637] Re: long wire antennas  
Message-ID: <00be01c0c847\$b6bf56c0\$3294fea9@robertpa>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Longwires are great if you use them properly. Failure to supply and adequate ground system for the longwire will give you very disappointing results.

If you use an adequate ground then you will really enjoy using a longwire. Of course make sure it is at least 90+ feet if you plan on working 80M band and longer for 160M.

Don't get too wrapped up in the details such as minimum height etc. I run a long wire up top of my laundry pole about 120feet. works great!

Cheers,  
Robert  
VE3RPF

----- Original Message -----

From: "Johan Smet" <johan\_smet@pandora.be>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Wednesday, April 18, 2001 4:29 PM  
Subject: long wire antennas

> This might be slightly out of topic. If so, sri for the bandwidth taken.  
>  
> My question relates to the effectiveness of long single wire antennas for  
HF  
> fieldday operation. It happens I recently left a rally with an automatic  
> ATU, so tuning about any length of wire is a piece of cake. I understand a  
> long wire shows directivity (main lobes) as well as all-around radiation  
> (minor lobes). There should also be some gain compared to a dipole,  
> depending on the wire length (3dB with 4 wavelengths?). Further, for  
optimum  
> wave angle the antenna should have a height of at least a half wavelength  
at  
> 14 MHz (35 feet).  
>  
> Are there fieldday teams out there using long wire antennas on HF? I would  
> be very thankful to receive their comments/advice!  
>  
> Tnx, 73,  
>  
> John ON5EX  
> on5ex@pandora.be  
>

-----  
Date: Wed, 18 Apr 2001 16:35:48 -0400  
From: Bruce Muscolino <w6toy@erols.com>  
To: johan\_smet@pandora.be  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [96638] Re: long wire antennas  
Message-ID: <3ADDFAA4.6D518FF1@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Johan,

Long wires can be effective radiators. Yes, there are field day teams and also

individual hams who use them. However, I don't think directivity or gain are the principal reasons for using long wire antennas. In my case, the reason is much simpler. The antenna runs from here to there. There is about 150 feet away across the back garden. There is no need for feedlines, I just strip one end of the antenna and plug it in to the tuner! What could be simpler? I only have to provide a decent RF ground, I would bet that most of the users have never given any (or much) thought to directivity or gain!

73

-----  
Date: Wed, 18 Apr 2001 13:53:55 -0700 (PDT)  
From: Dennis Doran <wb8wtu@yahoo.com>  
To: qrp-l@Lehigh.EDU, wb8wtu@yahoo.com  
Subject: [96639] [TECH] RX/TX Offset Question (long)  
Message-ID: <20010418205355.67546.qmail@web12507.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Ladies and Gentlemen,

I have wrestled with this concept long enough!  
Now, I ask your indulgence, and guidance - in other words - I have a question. I'll be brief: (kinda)

Most QRP rigs use the concept of feeding the transmitted signal back through the receiver to generate sidetone. And I understand the idea of running the receiver 700-800 Hz higher than the I.F. to generate a cw note. My question concerns the relationship between the Rx offset, and the TX offset. Note: I have read every source of info on this subject that I could find, including Elmer 101 notes, SST manual, SW+ manual, and I am still confused. I know this was the subject of a thread about a year ago, but it never fully addressed the issue.

1. - What is the purpose of the inductor in the TX 602/612 mixer? I know it lowers the freq. of the crystal, but why ??? And how much ?? The Elmer series - the closest thing I have found to an answer - says that the sidetone generated is the DIFFERENCE between the RX mixer and the TX mixer. For simplicity, lets assume 4 Mhz I.F. If the

transceiver were tuned to 7.000, then the receiver mixer crystal would be set to 4.0007 (assume 700 Hz tone), the transmit mixer would have no offset, run at 4 Mhz even, mix with the VFO and transmit on 7.000. All is well??

But, if the sidetone IS actually the DIFFERENCE between the two, would the 700 Hz be split between both mixers as well ??? Is the RX mixer 350 Hz up, and the TX mixer 350 Hz down?? Would this not give every received signal a 350 Hz (low) tone ?? I don't beleive that is the case. So what is the reason for lowering the freq. of the TX mixer crystal?

2. - How does one verify that the proper offset (whatever that is) is achieved ?? The xtal/cap combo in the RX mixer, and the xtal/inductor combo in the TX mixer - is there a formula to calculate the offset ?? And if there is, calculations are great, but how does one verify ???? They all feed into pins 6 and 7 of their respective 602's. I can obtain a freq. measurement on pin 7, but it is not what I assume it would be. Even taking into account circuit loading of the freq. counter, and running it through a buffer, the numbers do not make sense. In my 40 meter SST, which, since the VXO runs ABOVE the received signal, I assume that it receives CW on LSB - tone goes lower as freq. goes up and you approach zero-beat. The RX mixer offset measures 3.99992, with the 22 pf cap installed in parallel. How is that possible ???

Be advised, that I use this just as an example to illustrate my question, it's not a fix-my-rig question. However, I can't fix my rig, without understanding the theory here. All the material I have ever read seems to gloss-over this point, or



maybe I'm just dense - (NO SHOW OF HANDS!!!)

Anyway, please post your response  
to the list, as I believe there are others  
just as confused - or dense - as I.  
Or, if you prefer, you can send your response  
to my Yahoo e-mail address.

It goes without saying that I appreciate  
any and all responses. Ya know.....I've been  
playing with this stuff since 1971, it was  
just me, a copy of QST, and a TON of questions.  
There was no one to ask, the magazine  
couldn't talk, and many a project were set  
aside in frustration. The technical pool  
on this list is stunning.  
The willingness to assist, share and mentor  
is amazing. Thank-you all for your  
willingness to do the same for me,  
and others like me.

73, & keep-on keyin'  
dennis  
WB8WTU

-----  
Do You Yahoo!?  
Yahoo! Auctions - buy the things you want at great prices  
<http://auctions.yahoo.com/>

-----  
Date: Wed, 18 Apr 2001 17:05:55 -0400  
From: "Ron Polityka" <wb3aal@fast.net>  
To: "Appalachian Trail Award" <ATRAIL-L@Lehigh.EDU>, ".G-QRP Club"  
<GQRP@egroups.com>, ". QRP-L" <qrp-l@Lehigh.EDU>, ". NJ QRP-L" <njqrp@njqrp.org>,  
". Eastern PA QRP Club" <epaqrp-l@Lehigh.EDU>  
Subject: [96640] N1RWY on the AT in VA  
Message-ID: <007901c0c84b\$5ecbf0a0\$0e085cd1@wb3aal>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi, this message is being forwarded for Jay, N1RMY. He  
will be on the Appalachian Trail for the next couple of days  
with his QRP radio. Please read below for his original message.

72 Ron de WB3AAL

=====

As some of you know, this week I will be heading out this week for another one of my hiking trips. This time I will be bringing a HF rig with me, as well as a lightweight dipole antenna.

I will be hiking about 130 miles of the Appalachian Trail in Southern Virginia. (Pearisburg area.)

I am going to try to focus my activity on 15 and 10 meters.  
I will be using 2.5 watts and a dipole antenna.  
(FT-817 with internal lithium batteries, 2.7lbs total weight)

With having to carry sleeping gear, shelter, clothing, and food for 10 days, a larger, heavier non QRP radio was out of the question. I did not want to be hauling around any batteries that once I depleted were nothing but dead weight.

Schedule:

Effective for the following days:  
Friday (April 20th) - > Saturday (April 28th)

Morning activity: 28.337 MHz 8:00 AM East Coast Time // 12:00 UTC  
Morning activity: 21.437 MHz 8:20 AM East Coast Time // 12:20 UTC

\*Possible mid day: 28.377 MHz 1:30 PM East Coast Time // 17:30 UTC

Evening activity: 28.337 MHz 7:00 PM East Coast Time // 2300 UTC  
Evening activity: 21.437 MHz 7:20 PM East Coast Time // 2320 UTC

The dipole will cover 20 meters as well, and I will try to gravitate around 14.342 MHz if nothing is going on the above mentioned frequencies when I am on the air. \*I do plan to only operate for about 30 minutes at a time due to battery drain and hiking schedule. I do have miles to keep regardless of how good // poor the conditions are.

I will operate 70% voice, but I can do CW as well. (Although I am not sure how well I will enjoy it after some of these 16 mile days..;-)

WCARA club members, and especially KB1EYD (my patient XYL) will have

priority over other Q's, as they can relay any information to my family about my progress. However I look forward to trying to work as many of you as possible!

I hope to hear from some of you!

Jay N1RWY aka Mr. Fix it GA -> ME 1995 Thru hiker  
baack@maine.edu

-----  
Date: Wed, 18 Apr 2001 16:10:18 -0500  
From: Paul Dryer <psdryer@ticnet.com>  
To: w6toy@erols.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [96641] Re: long wire antennas  
Message-ID: <3ADE02BA.AD3660DF@ticnet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Johan,

I use a long wire, and better for me, 1/2 wave wire with a 1/4 wave counterpoise for it's simplicity. No feed lines and very good results. A very simple L-network

will match it to the radio. And Bruce is right...not much thought given to directivity.

I string one occasionally indoors and have a great time! We will most likely have an end fed wire somewhere at our club's Field Day site.

Paul, KD5IVP

Bruce Muscolino wrote:

> Johan,

>

> Long wires can be effective radiators. Yes, there are field day teams and also  
> individual hams who use them. However, I don't think directivity or gain are  
> the principal reasons for using long wire antennas. In my case, the reason is  
> much simpler. The antenna runs from here to there. There is about 150 feet  
> away across the back garden. There is no need for feedlines, I just strip one  
> end of the antenna and plug it in to the tuner! What could be simpler? I only  
> have to provide a decent RF ground, I would bet that most of the users have  
> never given any (or much) thought to directivity or gain!

>

> 73

-----  
Date: Wed, 18 Apr 2001 16:10:04 -0500  
From: "Mike Malone" <mmalone@worldlogon.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [96642] long wire antennas  
Message-ID: <002501c0c84b\$f16ba540\$4800000a@nationwiswqrjt>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

MFJ has a great little book on wire antennas that is from their "73" series and it really gives you the lowdown on all sorts of long wires and their variants. I ran a 85' L for a while with the peak at 20 feet and it worked allright. I found my inverted v at 30 feet cut for 40 meters to be a better radiator and it is only a half wave length long. From what I understand you need a pretty good length for it to beat out a dipole.

-----  
Date: Thu, 19 Apr 2001 07:22:44 +1000  
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>  
To: Flying Pigs <fpqrp-l@mpna.com>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [96643] Re: [fpqrp] Harbor Freight Misleading Advertising - BEWARE  
Message-ID: <3ADE05A3.4EB82988@integritynet.com.au>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: quoted-printable

Brian wrote:

> The product I got is CLEARLY labeled 90ma 12v. It's looking like bait =  
> and  
> switch to me. I called HF and was told that the devices I bought are th=  
> e  
> same ones in the ad. I asked about the ratings difference and the custo=  
> mer  
> service person couldn't explain it. So they're really rated at about 3=  
> 5%  
> less than what the ad states. So buyer beware.

Don't you guys have effective consumer regulators over there? Here in Aus=  
tralia  
at a federal level there is ACCC which is empowered to levy massive fines=

(and  
do) and at a state level the Department of Fair Trading with a variety of=  
very  
effective consumer orientated powers. They might also come to the attentio=  
on of  
the federal Trade Practices Commission, although they are usually reserve=  
d for  
bigger fish.

If HF were in my state and regularly pulled those kind of stunts they'd b=  
e out  
of business.

72/73's

Ian Purdie  
"I believe Australia is the best address on earth"  
Budgewoi N.S.W. Australia - Co-ords S33=B014', E151=B034'  
My FREE Newsletter: <http://www.electronics-tutorials.com/subscribe.htm>  
VK2TIP "I'll give ya the TIP mate" QRP-L #1978. SOC #171 FP#91  
URL - <http://www.electronics-tutorials.com/>

-----  
Date: Wed, 18 Apr 2001 17:29:48 EDT  
From: Drbob92031@aol.com  
To: qrp-l@lehigh.edu  
Subject: [96644] Re: long wire antennas  
Message-ID: <18.b6f5eeb.280f614c@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Used a long wire for a number of years in a condo where antennas were  
FORBIDDEN. Yes, there is a degree of gain over a dipole but; Ah the ever  
present "BUT." The longer the longer wire becomes the more acute the main  
lobe becomes along the long axis of the wire. So a very long wire (like I had  
to have) was almost directional toward South America. The side lobes (small)  
got some takers in the Western USA as far as Texas. I was in Florida, ( land  
of the condo commandos)  
72 de WA2EAW.. BOB

-----  
Date: Wed, 18 Apr 2001 21:37:20 -0000

From: tf3vst@vortex.is (Villi Idunni)  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [96645] Re: Dan's small parts  
Message-ID: <003401c0c84f\$c0007180\$400cfea9@digranes>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Thanks for all the response

I had refreshed the page before, but it seems that Dan's web master was updating the date almost at the same time I was writing my e-mail -hi hi  
It's FB now so I will place an order once again from Dan's.  
72, de Villi TF3VS

-----  
Date: Wed, 18 Apr 2001 17:49:36 -0400 (EDT)  
From: mulveyr@iname.com  
To: ianpurdie@integritynet.com.au  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [96646] Re: [fpqrp] Harbor Freight Misleading Advertising - BEWARE  
Message-ID: <200104182149.RAA09343@mulvey.dyndns.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit

[Charset iso-8859-1 unsupported, filtering to ASCII...]

> Brian wrote:

>

> > The product I got is CLEARLY labeled 90ma 12v. It's looking like bait and  
> > switch to me. I called HF and was told that the devices I bought are the  
> > same ones in the ad. I asked about the ratings difference and the customer  
> > service person couldn't explain it. So they're really rated at about 35%  
> > less than what the ad states. So buyer beware.

>

> Don't you guys have effective consumer regulators over there? Here in Australia  
> at a federal level there is ACCC which is empowered to levy massive fines (and  
> do) and at a state level the Department of Fair Trading with a variety of very  
> effective consumer orientated powers. They might also come to the attention of  
> the federal Trade Practices Commission, although they are usually reserved for  
> bigger fish.

>

> If HF were in my state and regularly pulled those kind of stunts they'd be out  
> of business.

Yep. We have reasonably effective consumer-rights organizations.

Unfortunately, we're also a really, really big country composed of states that frequently have many different laws and regulations to be followed. So it makes enforcement much more difficult than in the rest of the world, where political and legal controls are far more centralized. A lot people from outside the USA don't seem to realize just how independent the States are, in a lot of matters.

Personally, I like our way of doing it. ;-)

- Rich

-----  
Date: Wed, 18 Apr 2001 15:00:09 -0700  
From: "Arthur G. Silvers" <ags@ieee.org>  
To: qrp-1@Lehigh.EDU  
Subject: [96647] Re: BNC's, for, RG-174  
Message-ID: <3ADE0E69.F78486BB@ieee.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

A RCA type phono plug with strain relief followed by a RCA-to-BNC adapter works for me. Very easy. All from RS.

72  
Arth W6AGS

-----  
Date: Wed, 18 Apr 2001 15:25:41 -0700  
From: "John Moriarity" <k6qq@hdo.net>  
To: <bmurrey@amexol.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [96648] Re: Harbor Freight Misleading Advertising - BEWARE  
Message-ID: <03ec01c0c856\$81d47120\$81414cd1@k6qq>

> > Well, both 'ratings' may be true. Your 90ma 12v may be a 'true'  
> > rating. I.e. 90ma AT 12v (under a specific load condition)

Mike is right. If you research solar panels, you'll find that many are rated at open circuit voltage and short circuit current in \*full\* sunlight. I'd never expect to get

the \*full\* rated current. The current output is also temperature dependent, decreasing at high temperatures.

My "15 watt" panel (designed for battery charging) only outputs about 150 mA (short circuit) on a cloudy day.

73,

John, K6QQ

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End of QRP-L Digest 2163

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